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EEEEEEEEEEEEEEE  DDDDDDDDDDDD   TTTTTTTTTTTTTTT
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EEEEEEEEEEEEEEE  DDDDDDDDDDDD         TTT
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**FILE**ID**PRSEMRTN




PPPPPPPP    RRRRRRRR      SSSSSSSS  EEEEEEEEEE  MM      MM  RRRRRRRR    TTTTTTTTTT  NN      NN
PPPPPPPP    RRRRRRRR      SSSSSSSS  EEEEEEEEEE  MM      MM  RRRRRRRR    TTTTTTTTTT  NN      NN
PP      PP  RR      RR  SS          EE          MMMM  MMMM  RR      RR      TT      NN      NN
PP      PP  RR      RR  SS          EE          MMMM  MMMM  RR      RR      TT      NN      NN
PP      PP  RR      RR  SS          EE          MM  MM  MM  RR      RR      TT      NNNN    NN
PP      PP  RR      RR  SS          EE          MM  MM  MM  RR      RR      TT      NNNN    NN
PPPPPPPP    RRRRRRRR      SSSSSS    EEEEEEEE    MM      MM  RRRRRRRR        TT      NN  NN  NN
PPPPPPPP    RRRRRRRR      SSSSSS    EEEEEEEE    MM      MM  RRRRRRRR        TT      NN  NN  NN
PP          RR  RR              SS  EE          MM      MM  RR  RR          TT      NN    NNNN
PP          RR  RR              SS  EE          MM      MM  RR  RR          TT      NN    NNNN
PP          RR    RR            SS  EE          MM      MM  RR    RR        TT      NN      NN      ....
PP          RR    RR            SS  EE          MM      MM  RR    RR        TT      NN      NN      ....
PP          RR      RR  SSSSSSSS    EEEEEEEEEE  MM      MM  RR      RR      TT      NN      NN      ....
PP          RR      RR  SSSSSSSS    EEEEEEEEEE  MM      MM  RR      RR      TT      NN      NN      ....


LL            IIIIII      SSSSSSSS
LL            IIIIII      SSSSSSSS
LL              II      SS
LL              II      SS
LL              II      SS
LL              II      SS
LL              II        SSSSSS
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LLLLLLLLLL    IIIIII    SSSSSSSS
LLLLLLLLLL    IIIIII    SSSSSSSS
```

EDT9
V04-

```
;     1       0001  0 %TITLE 'EDT$PRSEMRTN - parser semantic actions'
;     2       0002  0 MODULE EDT$PRSEMRTN (                            ! Parser semantic actions
;     3       0003  0             IDENT = 'V04-000'                          ! File: PRSEMRTN.BLI Edit: JBS1023
;     4       0004  0             ) =
;     5       0005  1 BEGIN
;     6       0006  1 !
;     7       0007  1 !****************************************************************************
;     8       0008  1 !*                                                                          *
;     9       0009  1 !*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                                 *
;    10       0010  1 !*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.                  *
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;    14       0014  1 !*  ONLY IN  ACCORDANCE WITH  THE  TERMS  OF  SUCH  LICENSE  AND WITH THE   *
;    15       0015  1 !*  INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR  ANY  OTHER   *
;    16       0016  1 !*  COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY   *
;    17       0017  1 !*  OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY   *
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;    19       0019  1 !*                                                                          *
;    20       0020  1 !*  THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE   *
;    21       0021  1 !*  AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT   *
;    22       0022  1 !*  CORPORATION.                                                            *
;    23       0023  1 !*                                                                          *
;    24       0024  1 !*  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE  OR  RELIABILITY OF ITS   *
;    25       0025  1 !*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                 *
;    26       0026  1 !*                                                                          *
;    27       0027  1 !*                                                                          *
;    28       0028  1 !****************************************************************************
;    29       0029  1 !
;    30       0030  1
;    31       0031  1 !++
;    32       0032  1 ! FACILITY:     EDT -- The DEC Standard Editor
;    33       0033  1 !
;    34       0034  1 ! ABSTRACT:
;    35       0035  1 !
;    36       0036  1 !       Parser semantic actions.
;    37       0037  1 !
;    38       0038  1 ! ENVIRONMENT:  Runs at any access mode - AST reentrant
;    39       0039  1 !
;    40       0040  1 ! AUTHOR: Bob Kushlis, CREATION DATE: December 12, 1978
;    41       0041  1 !
;    42       0042  1 ! MODIFIED BY:
;    43       0043  1 !
;    44       0044  1 ! 1-001 - Original.  DJS 25-Feb-1981.  This module was created by
;    45       0045  1 !       extracting routine SEM_ROUTINES from module PARSER.
;    46       0046  1 ! 1-002 - Regularize headers.  JBS 12-Mar-1981
;    47       0047  1 ! 1-003 - Use the ASSERT macro.  JBS 01-Jun-1981
;    48       0048  1 ! 1-004 - Use the new message codes.  JBS 05-Aug-1981
;    49       0049  1 ! 1-005 - In a substitute command, don't allow the scanner to swallow
;    50       0050  1 !         a quoted string after the command, since SUBSTITUTE has its
;    51       0051  1 !         own syntax for its two strings.  JBS 26-Aug-1981
;    52       0052  1 ! 1-006 - Add PREV_RANGE, the back pointer for NEXT_RANGE.  JBS 02-Nov-1981
;    53       0053  1 ! 1-007 - Don't scan too far if the SUBSTITUTE command is ill-formed.  JBS 28-Dec-1981
;    54       0054  1 ! 1-008 - Make the NEXT command have the same fix from edit 1-005 as the SUBSTITUTE
;    55       0055  1 !         NEXT command.  JBS 04-Jan-1982
;    56       0056  1 ! 1-009 - Change index for line numbers from 10 digits to 15.  SMB 18-Jan-1982
;    57       0057  1 ! 1-010 - Add error checks for line numbers out of range.  SMB 06-Feb-1982
;    58         0058  1 ! 1-011 - Correct the file name scanner so it doesn't loop on an unquoted string.  JBS 10-Feb-1982
;    59         0059  1 ! 1-012 - Don't let a key number be larger than 21.  JBS 10-Feb-1982
;    60         0060  1 ! 1-013 - Add a missing dot in edit 1-011.  JBS 13-Feb-1982
;    61         0061  1 ! 1-014 - Fix bad range check from edit 1-011.  SMB 15-Feb-1982
;    62         0062  1 ! 1-015 - Change range check and error code (part of 1-011 problem).  SMB 16-Feb-1982
;    63         0063  1 ! 1-016 - Set define key flag so we can accept quoted key. STS 07-Apr-1982
;    64         0064  1 ! 1-017 - Delete reference to edt$$g_pa_keyval. STS 09-Apr-1982
;    65         0065  1 ! 1-018 - Make TAB_COUNT signed.  JBS 21-Apr-1982
;    66         0066  1 ! 1-019 - Change alphanumeric test.  JBS 19-Jul-1982
;    67         0067  1 ! 1-020 - New implementation of defined keys.  JBS 13-Aug-1982
;    68         0068  1 ! 1-021 - modify to use new 48 bit arith macro. STS 01-Oct-1982
;    69         0069  1 ! 1-022 - Modify to use new compare macro. STS 20-Oct-1982
;    70         0070  1 ! 1-023 - Add VT220 support conditional.  JBS 11-Feb-1983
;    71         0071  1 !--
;    72         0072  1
;     74              0073    1 %SBTTL 'Declarations'
;     75              0074    1 !
;     76              0075    1 ! TABLE OF CONTENTS:
;     77              0076    1 !
;     78              0077    1
;     79              0078    1 REQUIRE 'EDTSRC:TRAROUNAM';
;     80              0517    1
;     81              0518    1 FORWARD ROUTINE
;     82              0519    1     EDT$$PA_SEMRUT;
;     83              0520    1
;     84              0521    1 !
;     85              0522    1 ! INCLUDE FILES:
;     86              0523    1 !
;     87              0524    1
;     88              0525    1 REQUIRE 'EDTSRC:EDTREQ';
;     89              0660    1
;     90              0661    1 REQUIRE 'EDTSRC:PARLITS';
;     91              0945    1
;     92              0946    1 LIBRARY 'EDTSRC:KEYPADDEF';
;     93              0947    1
;     94              0948    1 LIBRARY 'EDTSRC:SUPPORTS';
;     95              0949    1
;     96              0950    1 !
;     97              0951    1 ! MACROS:
;     98              0952    1 !
;     99              0953    1 !       NONE
;    100              0954    1 !
;    101              0955    1 ! EQUATED SYMBOLS:
;    102              0956    1 !
;    103              0957    1 !       NONE
;    104              0958    1 !
;    105              0959    1 ! OWN STORAGE:
;    106              0960    1 !
;    107              0961    1 !       NONE
;    108              0962    1 !
;    109              0963    1 ! EXTERNAL REFERENCES:
;    110              0964    1 !
;    111              0965    1 !       In the routine
```

```
1 %SBTTL 'EDT$$PA_SEMRUT  - parser semantic actions'
1
1 GLOBAL ROUTINE EDT$$PA_SEMRUT (                          ! Parser semantic actions
1     WHICH,                                               ! Action number to perform
1     OPERAND                                              ! Token
1     ) =
1
1 !++
1 ! FUNCTIONAL DESCRIPTION:
1 !
1 !       The semantic actions for the parser.  Which specifies which of the
1 !       actions to perform.  Operand is the index of the token which matched
1 !       if the semantic routine was called as a result of a select operator.
1 !
1 ! FORMAL PARAMETERS:
1 !
1 !  WHICH                Action number to perform
1 !
1 !  OPERAND              Token which matched
1 !
1 ! IMPLICIT INPUTS:
1 !
1 !       EDT$$A_CMD_END
1 !       EDT$$C_PA_CH
1 !       EDT$$G_PA_CURCMD
1 !       EDT$$A_PA_CURTOK
1 !       EDT$$G_PA_CURTOKLEN
1 !       EDT$$L_PA_NUMVAL
1 !       EDT$$G_PA_PCENT
1 !       EDT$$A_PA_PRVTOK
1 !       EDT$$G_PA_PRVTOKLEN
1 !       EDT$$G_PA_SP
1 !       EDT$$Z_PA_THRURNG
1 !       EDT$$G_PA_TOKCLASS
1 !       EDT$$L_LNO0
1 !       EDT$$G_TAB_SIZ
1 !
1 ! IMPLICIT OUTPUTS:
1 !
1 !       EDT$$G_PA_CURCMD
1 !       EDT$$G_PA_ERRNO
1 !       EDT$$Z_PA_CURRNG
1 !       EDT$$Z_PA_BUFRNG
1 !       EDT$$Z_PA_ANDLSTHD
1 !       EDT$$A_CMD_BUF
1 !       EDT$$G_PA_NOQUO
1 !
1 ! ROUTINE VALUE:
1 !
1 !       0 = failure, 1 = success
1 !
1 ! SIDE EFFECTS:
1 !
1 !       MANY
1 !
1 !--
1
```

```
  2     BEGIN
  2
  2     EXTERNAL ROUTINE
  2         EDT$$PA_SCANTOK : NOVALUE,                    ! Get the next token
  2         EDT$$PA_APPDIG,
  2         EDT$$PA_GETCH : NOVALUE,                      ! Get the next character from the input line
  2         EDT$$PA_CRERNGNOD,                            ! Create a range node
  2         EDT$$PA_NEW_NOD;                              ! Create a semantic node
  2
  2     EXTERNAL
  2         EDT$$L_MAX_LINES,                             ! maximum line number value
  2         EDT$$A_CMD_BUF,                               ! Pointer into command buffer.
  2         EDT$$A_CMD_END,                               ! Pointer to end of current command.
  2         EDT$$Z_PA_ANDLSTHD : REF NODE_BLOCK,
  2         EDT$$Z_PA_BUFRNG : REF NODE_BLOCK,
  2         EDT$$C_PA_CH,                                 ! the currently being processed character
  2         EDT$$G_PA_CURCMD : REF NODE_BLOCK,
  2         EDT$$Z_PA_CURRNG : REF NODE_BLOCK,            ! the current range node
  2         EDT$$A_PA_CURTOK,                             ! start of the current token
  2         EDT$$G_DEFKEY,
  2         EDT$$G_PA_CURTOKLEN,                          ! length of current token
  2         EDT$$G_PA_ERRNO,                              ! Error number of parsing error.
  2         EDT$$L_PA_NUMVAL : LN_BLOCK,                  ! the value of a numeric literal
  2         EDT$$G_PA_PCENT,                              ! Did the keyword contain a percent?
  2         EDT$$A_PA_PRVTOK,                             ! Previous token address
  2         EDT$$G_PA_PRVTOKLEN,                          ! Previous token length
  2         EDT$$G_PA_SP,
  2         EDT$$Z_PA_THRURNG : REF NODE_BLOCK,           ! The currently being built thru type range
  2         EDT$$G_PA_TOKCLASS,                           ! class of current token
  2         EDT$$G_PA_NOQUO,                              ! Don't allow quoted strings in the scanner
  2         EDT$$L_LNOO : LNOVECTOR [14],
  2
L 2 %IF SUPPORT_VT220
  2 %THEN
  2         EDT$$B_CHAR_INFO : BLOCKVECTOR [256, 1, BYTE],  ! Information about characters
  2 %FI
  2
  2         EDT$$G_TAB_SIZ;                               ! Current tab size, for error checking
  2
P 2     MESSAGES ((INVBUFNAM, QUOSTRREQ, NONALPNUM, SUBSTRNUL, UNRCOM, KEYNOTDEF, NUMVALREQ, INVPARFOR, INVVALSE
  2         ERRRANSPC, ERRCOMOPT, UNRCOMOPT, COLONREQ, MACKEYREQ, ENTMUSTBE, ASREQ, INVSTR, NUMVALILL));
  2 !
  2
  2     CASE .WHICH FROM 1 TO NUM_SEM OF
  2         SET
  2
  2         [INI_COM] :                                   ! Initialize for a command
  3             BEGIN
  3 !+
  3 ! Make sure the last command turned off EDT$$G_PA_NOQUO , otherwise there may
  3 ! be subtle interactions of commands.
  3 !-
  3             ASSERT (.EDT$$G_PA_NOQUO EQL 0);
  3             EDT$$G_DEFKEY = 0;
  3
  3             IF (.EDT$$G_PA_CURCMD NEQ 0) THEN EDT$$G_PA_CURCMD [NEXT_COM] = .EDT$$G_PA_SP;
  3
```

```
3               IF ((EDT$$G_PA_CURCMD = EDT$$PA_NEW_NOD (COM_NODE, .OPERAND)) EQL 0) THEN RETURN (0);
3
3  !+
3  ! If this is the SUBSTITUTE or NEXT command, don't let the scanner take the next token as a quoted string.
3  !-
3
3               IF ((.OPERAND EQL 16) OR (.OPERAND EQL 19)) THEN EDT$$G_PA_NOQUO = 1;
3
2               END;
2
2           [INIRAN] :                              ! Initialize for a range
3               BEGIN
3
3               IF ((EDT$$Z_PA_CURRNG = EDT$$PA_NEW_NOD (RANGE_NODE, .OPERAND)) EQL 0) THEN RETURN (0);
3
4               IF (.EDT$$G_PA_TOKCLASS EQL CL_NUMBER)      !
3               THEN
3                   MOVELINE (EDT$$L_PA_NUMVAL, EDT$$Z_PA_CURRNG [RAN_VAL]);
3
2               END;
2
2           [START_RANGE] :
3               BEGIN
3
4               IF (.OPERAND NEQ 0)
3               THEN
3
3                   IF (EDT$$PA_SEMRUT (INIRAN, .OPERAND + NUM_SLR) EQL 0) THEN RETURN (0);
3
2               END;
2
2           [BUF_RAN] :
3               BEGIN
3               EDT$$G_PA_ERRNO = EDT$_INVBUFNAM;
3
3               IF ( NOT EDT$$PA_APPDIG ()) THEN RETURN (0);
3
3               IF (EDT$$PA_SEMRUT (INIRAN, RAN_BUFFER) EQL 0) THEN RETURN (0);
3
3               EDT$$Z_PA_CURRNG [BUF_NAME] = .EDT$$A_PA_CURTOK;
3               EDT$$Z_PA_CURRNG [BUF_LEN] = .EDT$$G_PA_CURTOKLEN;
3               EDT$$Z_PA_BUFRNG = .EDT$$Z_PA_CURRNG;
3               EDT$$PA_SCANTOK ();
2               END;
2
2           [APP_NUM] :                             ! Append numerics to a name.
2               EDT$$PA_APPDIG ();
2
2           [BUF_RAN2] :
3               BEGIN
3               EDT$$Z_PA_BUFRNG [RANGE1] = .EDT$$Z_PA_CURRNG;
3               EDT$$Z_PA_CURRNG = .EDT$$Z_PA_BUFRNG;
2               END;
2
2           [GETSTR] :
3               BEGIN
3               EDT$$Z_PA_CURRNG [RAN_VAL] = .EDT$$G_PA_PRVTOKLEN;
```

```
3              EDT$$Z_PA_CURRNG [STR_PNT] = .EDT$$A_PA_PRVTOK + 1;
3
3              IF (.EDT$$Z_PA_CURRNG [RAN_TYPE] EQL RAN_MINUS) THEN EDT$$Z_PA_CURRNG [RAN_TYPE] = RAN_MINSTR;
3
2              END;
2
2          [ALLRAN] :                                    ! ALL appended to a range
3              BEGIN
3
3              LOCAL
3                  SUB_RAN : REF NODE_BLOCK;
3
3              SUB_RAN = .EDT$$Z_PA_CURRNG;              ! Save the first part of the range
3
3              IF ( NOT EDT$$PA_SEMRUT (INIRAN, RAN_ALL)) THEN RETURN (0);
3
3  !+
3  ! Link the original range with the ALL clause.
3  !-
3              EDT$$Z_PA_CURRNG [NEXT_RANGE] = .SUB_RAN;
3              SUB_RAN [PREV_RANGE] = .EDT$$Z_PA_CURRNG;
3
4              IF (.EDT$$G_PA_TOKCLASS NEQ CL_STRING)
3              THEN
4                  BEGIN
4                  EDT$$G_PA_ERRNO = EDT$_QUOSTRREQ;
4                  RETURN (0);
3                  END;
3
3              EDT$$Z_PA_CURRNG [RAN_VAL] = .EDT$$G_PA_CURTOKLEN;
3              EDT$$Z_PA_CURRNG [STR_PNT] = .EDT$$A_PA_CURTOK + 1;
3              EDT$$PA_SCANTOK ();
2              END;
2
2          [RAN1] :
2              EDT$$G_PA_CURCMD [RANGE1] = .EDT$$Z_PA_CURRNG;
2
2          [RAN2] :
2              EDT$$G_PA_CURCMD [RANGE2] = .EDT$$Z_PA_CURRNG;
2
2          [PLUSRAN] :
2
2              IF (EDT$$PA_CRERNGNOD (RAN_PLUS) EQL 0) THEN RETURN (0);
2
2          [MINUSRAN] :
2
2              IF (EDT$$PA_CRERNGNOD (RAN_MINUS) EQL 0) THEN RETURN (0);
2
2          [FORRAN] :
2
2              IF (EDT$$PA_CRERNGNOD (RAN_FOR) EQL 0) THEN RETURN (0);
2
2          [RANNUM] :                                    ! value following FOR, +, ORIGINAL and -
3              BEGIN
3
4              IF ((.EDT$$L_PA_NUMVAL [LN_MD] NEQ 0) OR (.EDT$$L_PA_NUMVAL [LN_HI] NEQ 0))
3              THEN
```

```
  4                 BEGIN
  4                 EDT$$G_PA_ERRNO = EDT$_NUMVALILL;
  4                 RETURN (0);
  3                 END;
  3
  3             EDT$$Z_PA_CURRNG [RAN_VAL] = .EDT$$L_PA_NUMVAL [LN_LO];
  2             END;
  2
  2         [LINE_NUM_RANGE] :                      ! Numeric range value
  2             MOVELINE (EDT$$L_PA_NUMVAL, EDT$$Z_PA_CURRNG [RAN_VAL]);
  2
  2         [LINE_NUM] :                            ! the line number
  3             BEGIN
  3
  3             LOCAL
  3                 MULTIPLIER,
  3                 DIGIT : LN_BLOCK;
  3
  3 !+
  3 ! If the line number coming in is greater than maximum allowed before
  3 ! multiplication by 10**5, then return error
  3 !-
  3
  4             IF (CMPLNO (EDT$$L_PA_NUMVAL, EDT$$L_MAX_LINES) GTR 0)
  3             THEN
  4                 BEGIN
  4                 EDT$$G_PA_ERRNO = EDT$_NUMVALILL;
  4                 RETURN (0);
  3                 END;
  3
  3             MULTLINE (EDT$$L_LNOO [5], EDT$$L_PA_NUMVAL, EDT$$L_PA_NUMVAL);
  3
  4             IF (CH$RCHAR (.EDT$$A_PA_CURTOK) EQL %C'.')
  3             THEN
  4                 BEGIN
  4                 MULTIPLIER = 4;
  4
L 4 %IF SUPPORT_VT220
  4 %THEN
  4
  4                 WHILE (.EDT$$B_CHAR_INFO [.EDT$$C_PA_CH, 0, 0, 8, 0] EQL %X'F0') DO
U 4 %ELSE
U 4
U 4                     WHILE ((.EDT$$C_PA_CH GEQ %C'0') AND (.EDT$$C_PA_CH LEQ %C'9')) DO
  4 %FI
  4
  5                         BEGIN
  5                         BUILDLINE (.EDT$$C_PA_CH - %C'0', DIGIT);
  5
  6                         IF (.MULTIPLIER GEQ 0)
  5                         THEN
  6                             BEGIN
  6                             MULTLINE (EDT$$L_LNOO [.MULTIPLIER], DIGIT, DIGIT);
  6                             ADDLINE (DIGIT, EDT$$L_PA_NUMVAL);
  5                             END;
  5
  5                         EDT$$PA_GETCH ();
```

```
                        MULTIPLIER = .MULTIPLIER - 1;
                        END;

                EDT$$PA_SCANTOK ();
                END;

            END;

        [BIN_RANGE] :
            BEGIN

            IF ((EDT$$Z_PA_THRURNG = EDT$$PA_NEW_NOD (RANGE_NODE, 0)) EQL 0) THEN RETURN (0);

            EDT$$Z_PA_THRURNG [RANGE1] = .EDT$$Z_PA_CURRNG;
            END;

        [THRU_RAN] :
            BEGIN
            EDT$$Z_PA_THRURNG [RAN_TYPE] = RAN_THRU;
            EDT$$Z_PA_THRURNG [RANGE2] = .EDT$$Z_PA_CURRNG;
            EDT$$Z_PA_CURRNG = .EDT$$Z_PA_THRURNG;
            END;

        [AND_HEAD] :
            EDT$$Z_PA_ANDLSTHD = .EDT$$Z_PA_CURRNG;

        [AND_NEXT] :                                ! AND or a comma
            BEGIN

            LOCAL
                RANGE : REF NODE_BLOCK;

            RANGE = .EDT$$Z_PA_ANDLSTHD;
!+
! Find the last range so we can put the new one on the end.
!-

            WHILE (.RANGE [NEXT_RANGE] NEQA 0) DO
                RANGE = .RANGE [NEXT_RANGE];

            RANGE [NEXT_RANGE] = .EDT$$Z_PA_CURRNG;
            EDT$$Z_PA_CURRNG [PREV_RANGE] = .RANGE;
            EDT$$Z_PA_CURRNG = .EDT$$Z_PA_ANDLSTHD;
            END;

        [WHICHSUBS] :                               ! Distinguish SUBSTITUTE from SUBSTITUTE NEXT
            BEGIN

            IF (.OPERAND EQL 1) THEN EDT$$G_PA_CURCMD [COM_NUM] = COM_SUBS_NEXT;

!+
! Since we are in what seemed to have been a substitute command, the EDT$$G_PA_NOQUO
! flag must be set.
!-
            ASSERT (.EDT$$G_PA_NOQUO);
            END;
```

```
2         [STRINGS] :                                   ! Get the search and replace strings for SUBSTITUTE
3             BEGIN
3
3             LOCAL
3                 STRNODE : REF NODE_BLOCK,
3                 CURSOR,
3                 QUOTE;
3
3  !+
3  ! The EDT$$G_PA_NOQUO  flag had better be set, to keep the scanner from having
3  ! swallowed a quoted string.  Consider the following case:
3  !
3  !      *SUBSTITUTE 'A'B'
3  !
3  ! We must use ' as the delimeter, but the scanner would absorb 'A' as a single (string)
3  ! token unless the flag is set.  We clear the flag here since we will not be calling
3  ! the scanner again until after we have scanned out two strings.
3  !-
3             ASSERT (.EDT$$G_PA_NOQUO);
3             EDT$$G_PA_NOQUO = 0;
3
3             IF ((STRNODE = EDT$$PA_NEW_NOD (STR_NODE, 0)) EQL 0) THEN RETURN (0);
3
3             EDT$$G_PA_CURCMD [STR_PNT] = .STRNODE;
3
4             IF (.EDT$$G_PA_TOKCLASS NEQ CL_SPECIAL)
3             THEN
4                 BEGIN
4                 EDT$$G_PA_ERRNO = EDT$_NONALPNUM;
4                 RETURN (0);
3                 END;
3
3             QUOTE = CH$RCHAR (.EDT$$A_PA_CURTOK);
3             CURSOR = CH$PLUS (.EDT$$A_PA_CURTOK, 1);
3             STRNODE [SRCHADDR] = .CURSOR;
3
3             UNTIL ((CH$RCHAR (.CURSOR) EQL .QUOTE) OR (.CURSOR GEQU .EDT$$A_CMD_END)) DO
3                 CURSOR = CH$PLUS (.CURSOR, 1);
3
3             STRNODE [SRCHLEN] = .CURSOR - .EDT$$A_PA_CURTOK - 1;
3             CURSOR = CH$PLUS (.CURSOR, 1);
3
4             IF (.CURSOR GTRU .EDT$$A_CMD_END)
3             THEN
4                 BEGIN
4                 EDT$$G_PA_ERRNO = EDT$_INVSTR;
4                 RETURN (0);
3                 END;
3
3             STRNODE [REPADDR] = .CURSOR;
3
3             UNTIL ((CH$RCHAR (.CURSOR) EQL .QUOTE) OR (.CURSOR GEQU .EDT$$A_CMD_END)) DO
3                 CURSOR = CH$PLUS (.CURSOR, 1);
3
3             STRNODE [REPLEN] = .CURSOR - .STRNODE [REPADDR];
3             EDT$$A_CMD_BUF = CH$PLUS (.CURSOR, 1);
3             EDT$$PA_GETCH ();
```

```
    EDT$$PA_SCANTOK ();

    IF ((.STRNODE [REPLEN] EQL 0) AND (.STRNODE [SRCHLEN] EQL 0))
    THEN
        BEGIN
        EDT$$G_PA_ERRNO = EDT$_SUBSTRNUL;
        RETURN (0);
        END;

    END;

[DEFAULT_STRINGS] :                     ! We will be using the strings from the last SUB or SUB NEXT
    BEGIN
    ASSERT (.EDT$$G_PA_NOQUO);
    EDT$$G_PA_NOQUO = 0;
    END;

[FILSPC] :                              ! Scan a file name
    BEGIN

    LOCAL
        SCAN_DONE,                      ! 1 = file name scan complete
        CHAR,                           ! Current character being processed
        QUOTE_CHAR;                     ! 0 = not in a string, non-zero = right quote character

    ASSERT ((%C'"' NEQ 0) AND (%C'''' NEQ 0));
    EDT$$G_PA_CURCMD [FILSPEC] = .EDT$$A_PA_CURTOK;
    EDT$$A_CMD_BUF = .EDT$$A_PA_CURTOK;
    SCAN_DONE = 0;
    QUOTE_CHAR = 0;

    WHILE ( NOT .SCAN_DONE) DO

        IF CH$PTR_GTR (.EDT$$A_CMD_BUF, .EDT$$A_CMD_END)
        THEN
            SCAN_DONE = 1
        ELSE
            BEGIN
            CHAR = CH$RCHAR_A (EDT$$A_CMD_BUF);

            IF (.QUOTE_CHAR EQL 0)
            THEN

                SELECTONE .CHAR OF
                    SET

                    [%C' ', %C'/'] :
                        SCAN_DONE = 1;

                    [%C'"', %C''''] :
                        QUOTE_CHAR = .CHAR;

                    [OTHERWISE] :
                        BEGIN
                        0
                        END;
                    TES
```

```
4
4                   ELSE
4
4                       IF (.CHAR EQL .QUOTE_CHAR) THEN QUOTE_CHAR = 0;
4
3                   END;
3
3           EDT$$C_PA_CH = .CHAR;
3           EDT$$G_PA_CURCMD [FSPCLEN] = .EDT$$A_CMD_BUF - .EDT$$G_PA_CURCMD [FILSPEC] - 1;
3           EDT$$PA_SCANTOK ();
2           END;
2
2       [HELPSTR] :
3           BEGIN
3           EDT$$G_PA_CURCMD [FILSPEC] = .EDT$$A_PA_CURTOK;
3           EDT$$A_CMD_BUF = .EDT$$A_PA_CURTOK;
3           EDT$$PA_GETCH ();
3
3           WHILE ((.EDT$$C_PA_CH NEQ %C'!') AND (.EDT$$C_PA_CH NEQ %C';')) DO
3               EDT$$PA_GETCH ();
3
3           EDT$$G_PA_CURCMD [FSPCLEN] = .EDT$$A_CMD_BUF - .EDT$$G_PA_CURCMD [FILSPEC] - 1;
3           EDT$$PA_SCANTOK ();
2           END;
2
2       [CHKALPHA] :
2
3           IF ((.EDT$$G_PA_TOKCLASS EQL CL_NAME) AND ( NOT .EDT$$G_PA_PCENT))
2           THEN
3               BEGIN
3               EDT$$G_PA_ERRNO = EDT$_UNRCOM;
3               RETURN (0);
2               END;
2
2       [A_SWITCH] :
3           BEGIN
3
3           LOCAL
3               SWITCH_NODE : REF NODE_BLOCK;
3
4           IF (.EDT$$G_PA_CURCMD [SWITS] EQL 0)
3           THEN
4               BEGIN
4
4               IF ((SWITCH_NODE = EDT$$PA_NEW_NOD (SW_NODE, 0)) EQL 0) THEN RETURN (0);
4
4               EDT$$G_PA_CURCMD [SWITS] = .SWITCH_NODE;
4               END
3           ELSE
3               SWITCH_NODF = .EDT$$G_PA_CURCMD [SWITS];
3
3           IF ((.SWITCH_NODE [SW_BITS] AND (1^.OPERAND)) NEQ 0) THEN RETURN (0);
3
3           SWITCH_NODE [SW_BITS] = (.SWITCH_NODE [SW_BITS] OR (1^.OPERAND));
2           END;
2
2       [SWITCH_1] :
```

```
3           BEGIN
3
3           BIND
3               SWITCH = .EDT$$G_PA_CURCMD [SWITS] : NODE_BLOCK;
3
3           MOVELINE (EDT$$L_PA_NUMVAL, SWITCH [SW_VAL1]);
3           SWITCH [SEQ_VAL] = T;
2           END;
2
2       [SWITCH_2] :
3           BEGIN
3
3           BIND
3               SWITCH = .EDT$$G_PA_CURCMD [SWITS] : NODE_BLOCK;
3
3           MOVELINE (EDT$$L_PA_NUMVAL, SWITCH [SW_VAL2]);
2           END;
2
2       [SETTYPE] :
2           EDT$$G_PA_CURCMD [SET_TYPE] = .OPERAND;
2
2       [SETVAL] :
2           EDT$$G_PA_CURCMD [SET_VAL] = .OPERAND;
2
2       [SET_ARG] :
3           BEGIN
3
4           IF ((.EDT$$L_PA_NUMVAL [LN_LO] GTRU 32767) OR        !
4               (.EDT$$L_PA_NUMVAL [LN_MD] NEQ 0) OR     !
4               (.EDT$$L_PA_NUMVAL [LN_HI] NEQ 0))
3           THEN
4               BEGIN
4               EDT$$G_PA_ERRNO = EDT$_NUMVALILL;
4               RETURN (0);
3               END;
3
3           EDT$$G_PA_CURCMD [SET_VAL] = .EDT$$L_PA_NUMVAL [LN_LO];
2           END;
2
2       [SET_ARG1] :
3           BEGIN
3
4           IF ((.EDT$$L_PA_NUMVAL [LN_LO] GTRU 32767) OR        !
4               (.EDT$$L_PA_NUMVAL [LN_MD] NEQ 0) OR     !
4               (.EDT$$L_PA_NUMVAL [LN_HI] NEQ 0))
3           THEN
4               BEGIN
4               EDT$$G_PA_ERRNO = EDT$_NUMVALILL;
4               RETURN (0);
3               END;
3
3           EDT$$G_PA_CURCMD [SET_VAL1] = .EDT$$L_PA_NUMVAL [LN_LO];
2           END;
2
2       [DEF_KEY] :                                 ! Start of key description
3           BEGIN
3           EDT$$G_DEFKEY = 1;
```

```
    END;

[KEY_NUM] :                             ! Key number
    BEGIN
    EDT$$G_PA_CURCMD [KEY_VAL] = .EDT$$L_PA_NUMVAL [LN_LO] + K_KPAD_BASE;

    IF ((.EDT$$L_PA_NUMVAL [LN_LO] GTRU 32767) OR           !
      (.EDT$$L_PA_NUMVAL [LN_MD] NEQ 0) OR      !
      (.EDT$$L_PA_NUMVAL [LN_HI] NEQ 0))
    THEN
        BEGIN
        EDT$$G_PA_ERRNO = EDT$_NUMVALILL;
        RETURN (0);
        END;

    IF (.EDT$$L_PA_NUMVAL [LN_LO] GTR 21)
    THEN
        BEGIN
        EDT$$G_PA_ERRNO = EDT$_KEYNOTDEF;
        RETURN (0);
        END;

    END;

[GOLD_KEY_NUM] :                        ! GOLD key number
    BEGIN
    EDT$$G_PA_CURCMD [KEY_VAL] = .EDT$$L_PA_NUMVAL [LN_LO] + K_KPAD_BASE + K_GOLD_BASE;

    IF ((.EDT$$L_PA_NUMVAL [LN_LO] GTRU 32767) OR           !
      (.EDT$$L_PA_NUMVAL [LN_MD] NEQ 0) OR      !
      (.EDT$$L_PA_NUMVAL [LN_HI] NEQ 0))
    THEN
        BEGIN
        EDT$$G_PA_ERRNO = EDT$_NUMVALILL;
        RETURN (0);
        END;

    IF (.EDT$$L_PA_NUMVAL [LN_LO] GTR 21)
    THEN
        BEGIN
        EDT$$G_PA_ERRNO = EDT$_KEYNOTDEF;
        RETURN (0);
        END;

    END;

[DEF_GOLD_DEL] :
    BEGIN
    EDT$$G_PA_CURCMD [KEY_VAL] = ASC_K_DEL + K_GOLD_BASE;
    END;

[DEF_DELETE] :
    BEGIN
    EDT$$G_PA_CURCMD [KEY_VAL] = ASC_K_DEL;
    END;

[DEF_CHAR] :
```

```
:   740          1593  3                     BEGIN
:   741          1594  3                     EDT$$G_PA_ERRNO = EDT$_KEYNOTDEF;
:   742          1595  3                     RETURN (0);
:   743          1596  2                     END;
:   744          1597  2
:   745          1598  2             [DEF_GOLD_CHAR] :
:   746          1599  3                 BEGIN
:   747          1600  3
:   748          1601  3                 LOCAL
:   749          1602  3                     CHAR;
:   750          1603  3
:   751          1604  3                 CHAR = CH$RCHAR (.EDT$$A_PA_CURTOK);
:   752          1605  3                 EDT$$G_PA_CURCMD [KEY_VA] = .CHAR + K_GOLD_BASE;
:   753          1606  3
:   754          1607  4                 IF ((.EDT$$G_PA_CURTOKLEN NEQ 1) OR          ! Other than one char in string
:   755          1608  4
:   756        L 1609  4 %IF SUPPORT_VT220
:   757          1610  4 %THEN
:   758          1611  4                     (.EDT$$B_CHAR_INFO [.CHAR, 0, 0, 8, 0] EQL %X'F0') OR    ! Digit
:   759        U 1612  4 %ELSE
:   760        U 1613  4                     ((.CHAR GEQ %C'0') AND (.CHAR LEQ %C'9')) OR    ! Digit
:   761          1614  4 %FI
:   762          1615  4
:   763          1616  4                     (.CHAR LSS 32) OR                  ! C0 control char (must use CONTROL)
:   764          1617  4                     (.CHAR GTR 255) OR                 ! Not a character
:   765          1618  4                     ((.CHAR GEQ 128) AND (.CHAR LSS 128 + 32)) OR    ! C1 control char
:   766          1619  4                     (.CHAR EQL ASC_K_DEL))             ! DEL (must use DELETE)
:   767          1620  3                 THEN
:   768          1621  4                     BEGIN
:   769          1622  4                     EDT$$G_PA_ERRNO = EDT$_KEYNOTDEF;
:   770          1623  4                     RETURN (0);
:   771          1624  3                     END;
:   772          1625  3
:   773          1626  3                 EDT$$PA_SCANTOK ();
:   774          1627  2                 END;
:   775          1628  2
:   776          1629  2             [GOLD_CONT] :
:   777          1630  3                 BEGIN
:   778          1631  3
:   779          1632  3                 LOCAL
:   780          1633  3                     CHAR;
:   781          1634  3
:   782          1635  3                 CHAR = CH$RCHAR (.EDT$$A_PA_CURTOK) - 64;
:   783          1636  3                 EDT$$G_PA_CURCMD [KEY_VA] = .CHAR + K_GOLD_BASE;
:   784          1637  3
:   785          1638  4                 IF ((.EDT$$G_PA_CURTOKLEN NEQ 1) OR          !
:   786          1639  4                     (.CHAR LSS 0) OR                         !
:   787          1640  4                     (.CHAR GTR 255) OR                       !
:   788          1641  4                     ((.CHAR GEQ 32) AND (.CHAR LSS 128)) OR          !
:   789          1642  4                     (.CHAR GEQ 128 + 32))
:   790          1643  3                 THEN
:   791          1644  4                     BEGIN
:   792          1645  4                     EDT$$G_PA_ERRNO = EDT$_KEYNOTDEF;
:   793          1646  4                     RETURN (0);
:   794          1647  3                     END;
:   795          1648  3
:   796          1649  3                 EDT$$PA_SCANTOK ();
```

```
;   797          1650 2                   END;
;   798          1651 2
;   799          1652 2               [CONT_CHAR] :
;   800          1653 3                   BEGIN
;   801          1654 3
;   802          1655 3                   LOCAL
;   803          1656 3                       CHAR;
;   804          1657 3
;   805          1658 3                   CHAR = CH$RCHAR (.EDT$$A_PA_CURTOK) - 64;
;   806          1659 3                   EDT$$G_PA_CURCMD [KEY_VAL] = .CHAR;
;   807          1660 3
;   808          1661 4                   IF ((.EDT$$G_PA_CURTOKLEN NEQ 1) OR             !
;   809          1662 4                       (.CHAR LSS 0) OR                            !
;   810          1663 4                       (.CHAR GTR 255) OR                          !
;   811          1664 4                       ((.CHAR GEQ 32) AND (.CHAR LSS 128)) OR               !
;   812          1665 4                       (.CHAR GEQ 128 + 32))
;   813          1666 3                   THEN
;   814          1667 4                       BEGIN
;   815          1668 4                       EDT$$G_PA_ERRNO = EDT$_KEYNOTDEF;
;   816          1669 4                       RETURN (0);
;   817          1670 3                       END;
;   818          1671 3
;   819          1672 3                   EDT$$PA_SCANTOK ();
;   820          1673 2                   END;
;   821          1674 2
;   822          1675 2               [DEF_FUN] :
;   823          1676 3                   BEGIN
;   824          1677 3                   EDT$$G_PA_CURCMD [KEY_VAL] = .EDT$$L_PA_NUMVAL [LN_LO] + K_FUN_BASE;
;   825          1678 3
;   826          1679 4                   IF ((.EDT$$L_PA_NUMVAL [LN_LO] GTRU 32767) OR         !
;   827          1680 4                       (.EDT$$L_PA_NUMVAL [LN_MD] NEQ 0) OR    !
;   828          1681 4                       (.EDT$$L_PA_NUMVAL [LN_HI] NEQ 0))
;   829          1682 3                   THEN
;   830          1683 4                       BEGIN
;   831          1684 4                       EDT$$G_PA_ERRNO = EDT$_NUMVALILL;
;   832          1685 4                       RETURN (0);
;   833          1686 3                       END;
;   834          1687 3
;   835          1688 4                   IF (.EDT$$L_PA_NUMVAL [LN_LO] GTR K_MAX_FUN_VAL)
;   836          1689 3                   THEN
;   837          1690 4                       BEGIN
;   838          1691 4                       EDT$$G_PA_ERRNO = EDT$_KEYNOTDEF;
;   839          1692 4                       RETURN (0);
;   840          1693 3                       END;
;   841          1694 3
;   842          1695 2                   END;
;   843          1696 2
;   844          1697 2               [DEF_GOLD_FUN] :
;   845          1698 3                   BEGIN
;   846          1699 3                   EDT$$G_PA_CURCMD [KEY_VAL] = .EDT$$L_PA_NUMVAL [LN_LO] + K_FUN_BASE + K_GOLD_BASE;
;   847          1700 3
;   848          1701 4                   IF ((.EDT$$L_PA_NUMVAL [LN_LO] GTRU 32767) OR         !
;   849          1702 4                       (.EDT$$L_PA_NUMVAL [LN_MD] NEQ 0) OR    !
;   850          1703 4                       (.EDT$$L_PA_NUMVAL [LN_HI] NEQ 0))
;   851          1704 3                   THEN
;   852          1705 4                       BEGIN
;   853          1706 4                       EDT$$G_PA_ERRNO = EDT$_NUMVALILL;
```

```
4                       RETURN (0);
3                       END;
3
4                   IF (.EDT$$L_PA_NUMVAL [LN_LO] GTR K_MAX_FUN_VAL)
3                   THEN
4                       BEGIN
4                       EDT$$G_PA_ERRNO = EDT$_KEYNOTDEF;
4                       RETURN (0);
3                       END;
3
2                   END;
2
2               [AS_STRING] :
3                   BEGIN
3                   EDT$$G_PA_CURCMD [AS_STR] = .EDT$$A_PA_PRVTOK + 1;
3                   EDT$$G_PA_CURCMD [AS_LEN] = .EDT$$G_PA_PRVTOKLEN;
2                   END;
2
2               [INIT_SEQ] :
3                   BEGIN
3
3                   BIND
3                       SWIT = .EDT$$G_PA_CURCMD [SWITS] : NODE_BLOCK;
3
3                   MOVELINE (EDT$$L_LNO0 [5], SWIT [SW_VAL1]);
3                   MOVELINE (EDT$$L_LNO0 [5], SWIT [SW_VAL2]);
3                   SWIT [SEQ_VAL] = 0;
2                   END;
2
2               [DEF_MAC] :
3                   BEGIN
3                   EDT$$G_PA_CURCMD [RANGE1] = .EDT$$Z_PA_CURRNG;
3                   EDT$$G_PA_CURCMD [COM_NUM] = COM_DEF_MAC;
2                   END;
2
2               [TABCOUNT] :
3                   BEGIN
3
3                   LOCAL
3                       NEG;
3
3                   NEG = 0;
3
4                   IF (CH$RCHAR (.EDT$$A_PA_CURTOK) EQL %C'-')
3                   THEN
4                       BEGIN
4                       NEG = .NEG + 1;
4                       EDT$$PA_SCANTOK ();
3                       END;
3
4                   IF (.EDT$$G_PA_TOKCLASS NEQ CL_NUMBER)
3                   THEN
4                       BEGIN
4                       EDT$$G_PA_ERRNO = EDT$_NUMVALREQ;
4                       RETURN (0);
3                       END;
3
```

```
;   911       1764  4               IF ((.EDT$$L_PA_NUMVAL [LN_LO] GTRU 32767) OR        !
;   912       1765  4                   (.EDT$$L_PA_NUMVAL [LN_MD] NEQ 0) OR     !
;   913       1766  4                   (.EDT$$L_PA_NUMVAL [LN_HI] NEQ 0))
;   914       1767  3               THEN
;   915       1768  4                   BEGIN
;   916       1769  4                   EDT$$G_PA_ERRNO = EDT$_NUMVALILL;
;   917       1770  4                   RETURN (0);
;   918       1771  3                   END;
;   919       1772  3
;   920       1773  4               IF ((.EDT$$L_PA_NUMVAL [LN_LO]*.EDT$$G_TAB_SIZ) GTR 255)
;   921       1774  3               THEN
;   922       1775  4                   BEGIN
;   923       1776  4                   EDT$$G_PA_ERRNO = EDT$_NUMVALILL;
;   924       1777  4                   RETURN (0);
;   925       1778  3                   END;
;   926       1779  3
;   927       1780  3               IF .NEG
;   928       1781  3               THEN
;   929       1782  3                   EDT$$G_PA_CURCMD [TAB_COUNT] = -.EDT$$L_PA_NUMVAL [LN_LO]
;   930       1783  3               ELSE
;   931       1784  3                   EDT$$G_PA_CURCMD [TAB_COUNT] = .EDT$$L_PA_NUMVAL [LN_LO];
;   932       1785  3
;   933       1786  3               EDT$$PA_SCANTOK ();
;   934       1787  2               END;
;   935       1788  2
;   936       1789  2           [BAD_PARAM] :
;   937       1790  2               EDT$$G_PA_ERRNO = EDT$_INVPARFOR;
;   938       1791  2
;   939       1792  2           [BAD_VALUE] :
;   940       1793  2               EDT$$G_PA_ERRNO = EDT$_INVVALSET;
;   941       1794  2
;   942       1795  2           [REQ_NUM] :
;   943       1796  2               EDT$$G_PA_ERRNO = EDT$_NUMVALREQ;
;   944       1797  2
;   945       1798  2           [REQ_STRING] :
;   946       1799  2               EDT$$G_PA_ERRNO = EDT$_QUOSTRREQ;
;   947       1800  2
;   948       1801  2           [BAD_RANGE] :
;   949       1802  2               EDT$$G_PA_ERRNO = EDT$_ERRRANSPC;
;   950       1803  2
;   951       1804  2           [BAD_OPTION] :
;   952       1805  2               EDT$$G_PA_ERRNO = EDT$_ERRCOMOPT;
;   953       1806  2
;   954       1807  2           [UNREC_OPTION] :
;   955       1808  2               EDT$$G_PA_ERRNO = EDT$_UNRCOMOPT;
;   956       1809  2
;   957       1810  2           [REQ_COLON] :
;   958       1811  2               EDT$$G_PA_ERRNO = EDT$_COLONREQ;
;   959       1812  2
;   960       1813  2           [MACORKEY] :
;   961       1814  2               EDT$$G_PA_ERRNO = EDT$_MACKEYREQ;
;   962       1815  2
;   963       1816  2           [ENTITY_ERR] :
;   964       1817  2               EDT$$G_PA_ERRNO = EDT$_ENTMUSTBE;
;   965       1818  2
;   966       1819  2           [REQ_AS] :
;   967       1820  3               BEGIN
;   968         1821  3                 EDT$$G_DEFKEY = 0;                          ! don't accept quoted key anymore
;   969         1822  3                 EDT$$G_PA_ERRNO = EDT$_ASREQ;
;   970         1823  2                 END;
;   971         1824  2
;   972         1825  2             [NO_ACTION] :
;   973         1826  2             ;
;   974         1827  2
;   975         1828  2             [OUTRANGE] :
;   976         1829  2                 ASSERT (0);
;   977         1830  2             TES;
;   978         1831  2
;   979         1832  2         RETURN (1);
;   980         1833  1         END;                                                ! of routine EDT$$PA_SEMRUT


                                                                                      .TITLE  EDT$PRSEMRTN EDT$PRSEMRTN - parser semantic act
;                                                                                                             ions
                                                                                      .IDENT  \V04-000\

                                                                                      .EXTRN  EDT$$PA_SCANTOK
                                                                                      .EXTRN  EDT$$PA_APPDIG, EDT$$PA_GETCH
                                                                                      .EXTRN  EDT$$PA_CRERNGNOD
                                                                                      .EXTRN  EDT$$PA_NEW_NOD
                                                                                      .EXTRN  EDT$$L_MAX_LINES
                                                                                      .EXTRN  EDT$$A_CMD_BUF, EDT$$A_CMD_END
                                                                                      .EXTRN  EDT$$Z_PA_ANDLSTHD
                                                                                      .EXTRN  EDT$$Z_PA_BUFRNG
                                                                                      .EXTRN  EDT$$C_PA_CH, EDT$$G_PA_CURCMD
                                                                                      .EXTRN  EDT$$Z_PA_CURRNG
                                                                                      .EXTRN  EDT$$A_PA_CURTOK
                                                                                      .EXTRN  EDT$$G_DEFKEY, EDT$$G_PA_CURTOKLEN
                                                                                      .EXTRN  EDT$$G_PA_ERRNO
                                                                                      .EXTRN  EDT$$L_PA_NUMVAL
                                                                                      .EXTRN  EDT$$G_PA_PCENT
                                                                                      .EXTRN  EDT$$A_PA_PRVTOK
                                                                                      .EXTRN  EDT$$G_PA_PRVTOKLEN
                                                                                      .EXTRN  EDT$$G_PA_SP, EDT$$Z_PA_THRURNG
                                                                                      .EXTRN  EDT$$G_PA_TOKCLASS
                                                                                      .EXTRN  EDT$$G_PA_NOQUO
                                                                                      .EXTRN  EDT$$L_LNO0, EDT$$B_CHAR_INFO
                                                                                      .EXTRN  EDT$$G_TAB_SIZ, EDT$_INVBUFNAM
                                                                                      .EXTRN  EDT$_QUOSTRREQ, EDT$_NONALPNUM
                                                                                      .EXTRN  EDT$_SUBSTRNUL, EDT$_UNRCOM
                                                                                      .EXTRN  EDT$_KEYNOTDEF, EDT$_NUMVALREQ
                                                                                      .EXTRN  EDT$_INVPARFOR, EDT$_INVVALSET
                                                                                      .EXTRN  EDT$_ERRRANSPC, EDT$_ERRCOMOPT
                                                                                      .EXTRN  EDT$_UNRCOMOPT, EDT$_COLONREQ
                                                                                      .EXTRN  EDT$_MACKEYREQ, EDT$_ENTMUSTBE
                                                                                      .EXTRN  EDT$_ASREQ, EDT$_INVSTR
                                                                                      .EXTRN  EDT$_NUMVALILL, EDT$$INTER_ERR

                                                                                      .PSECT  _EDT$CODE,NOWRT,  SHR,  PIC,2

                                                      0FFC 00000                      .ENTRY  EDT$$PA_SEMRUT, Save R2,R3,R4,R5,R6,R7,R8,- ; 0968
                                                                                              R9,R10,R11                                  ;
                                   5B 00000000G  00  9E 00002                         MOVAB   EDT$$A_PA_CURTOK, R11                       ;
                                   5A 00000000G  00  9E 00009                         MOVAB   EDT$$Z_PA_CURRNG, R10                       ;
                                   59 00000000G  00  9E 00010          MOVAB   EDT$$G_PA_ERRNO, R9
                                   58 00000000G  00  9E 00017          MOVAB   EDT$$G_PA_CURCMD, R8
                                   57 00000000G  00  9E 0001E          MOVAB   EDT$$L_PA_NUMVAL, R7
                                   5E            18  C2 00025          SUBL2   #24, SP
                     3B            01        04  AC  CF 00028          CASEL   WHICH, #1, #59                                   ; 1066
       07E2          077B          078D          0537   0002D 1$:      .WORD   95$-1$,-
       0343          041C          00F4          01E5   00035                  145$-1$,-
       07CC          050D          019D          01C4   0003D                  142$-1$,-
       0325          070E          0405          052D   00045                  155$-1$,-
       007B          04C0          01A3          0483   0004D                  37$-1$,-
       01DA          01B4          0161          00C3   00055                  8$-1$,-
       00E0          0700          079F          01AC   0005D                  75$-1$,-
       02F7          0300          06CB          0133   00065                  62$-1$,-
       0141          07B1          07A8          04D9   0006D                  30$-1$,-
       06E1          02C0          02E3          01B0   00075                  21$-1$,-
       0585          05CF          057C          06C2   0007D                  92$-1$,-
       0542          012A          055F          0657   00085                  153$-1$,-
       05B9          06AD          0784          07BA   0008D                  94$-1$,-
       068D          0796          07C3          07D5   00095                  72$-1$,-
       051F          05A5          061E          05C4   0009D                  133$-1$,-
                                                                               58$-1$,-
                                                                               83$-1$,-
                                                                               22$-1$,-
                                                                               87$-1$,-
                                                                               2$-1$,-
                                                                               6$-1$,-
                                                                               16$-1$,-
                                                                               26$-1$,-
                                                                               35$-1$,-
                                                                               24$-1$,-
                                                                               148$-1$,-
                                                                               131$-1$,-
                                                                               7$-1$,-
                                                                               12$-1$,-
                                                                               129$-1$,-
                                                                               55$-1$,-
                                                                               54$-1$,-
                                                                               89$-1$,-
                                                                               149$-1$,-
                                                                               150$-1$,-
                                                                               13$-1$,-
                                                                               25$-1$,-
                                                                               52$-1$,-
                                                                               49$-1$,-
                                                                               130$-1$,-
                                                                               128$-1$,-
                                                                               99$-1$,-
                                                                               110$-1$,-
                                                                               101$-1$,-
                                                                               117$-1$,-
                                                                               98$-1$,-
                                                                               10$-1$,-
                                                                               97$-1$,-
                                                                               151$-1$,-
                                                                               144$-1$,-
                                                                               125$-1$,-
                                                                               106$-1$,-
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                                                            154$-1$,-                       ;
                                                            152$-1$,-                       ;
                                                            147$-1$,-                       ;
                                                            122$-1$,-                       ;
                                                            108$-1$,-                       ;
                                                            114$-1$,-                       ;
                                                            104$-1$,-                       ;
                                                            93$-1$                          ;
                             02BE  31 000A5         BRW     60$                             ; 1829
                   00000000G   00  D5 000A8 2$:     TSTL    EDT$$G_PA_NOQUO                 ; 1075
                               07  13 000AE         BEQL    3$                              ;
     00000000G  00             00  FB 000B0         CALLS   #0, EDT$$INTER_ERR              ;
                   00000000G   00  D4 000B7 3$:     CLRL    EDT$$G_DEFKEY                   ; 1076
                50             68  D0 000BD         MOVL    EDT$$G_PA_CURCMD, R0            ; 1078
                               08  13 000C0         BEQL    4$                              ;
            10  A0 00000000G   00  D0 000C2         MOVL    EDT$$G_PA_SP, 16(R0)            ;
                          08   AC  DD 000CA 4$:     PUSHL   OPERAND                         ; 1080
                               01  DD 000CD         PUSHL   #1                              ;
     00000000G  00             02  FB 000CF         CALLS   #2, EDT$$PA_NEW_NOD             ;
                68             50  D0 000D6         MOVL    R0, EDT$$G_PA_CURCMD            ;
                               62  13 000D9         BEQL    9$                              ;
                10        08   AC  D1 000DB         CMPL    OPERAND, #16                    ; 1086
                               06  13 000DF         BEQL    5$                              ;
                13        08   AC  D1 000E1         CMPL    OPERAND, #19                    ;
                               77  12 000E5         BNEQ    11$                             ;
     00000000G  00             01  D0 000E7 5$:     MOVL    #1, EDT$$G_PA_NOQUO             ;
                               6E  11 000EE         BRB     11$                             ; 1066
                          08   AC  DD 000F0 6$:     PUSHL   OPERAND                         ; 1093
                               02  DD 000F3         PUSHL   #2                              ;
     00000000G  00             02  FB 000F5         CALLS   #2, EDT$$PA_NEW_NOD             ;
                6A             50  D0 000FC         MOVL    R0, EDT$$Z_PA_CURRNG            ;
                               3C  13 000FF         BEQL    9$                              ;
                01 00000000G   00  D1 00101         CMPL    EDT$$G_PA_TOKCLASS, #1          ; 1095
                               7C  12 00108         BNEQ    14$                             ;
                             00FA  31 0010A         BRW     35$                             ; 1097
                          08   AC  D5 0010D 7$:     TSTL    OPERAND                         ; 1104
                               7A  13 00110         BEQL    15$                             ;
7E          08  AC             07  C1 00112         ADDL3   #7, OPERAND, -(SP)              ; 1107
                               15  DD 00117         PUSHL   #21                             ;
          FEE2  CF             02  FB 00119         CALLS   #2, EDT$$PA_SEMRUT              ;
                             00C9  31 0011E         BRW     28$                             ;
                69 00000000G   8F  D0 00121 8$:     MOVL    #EDT$_INVBUFNAM, EDT$$G_PA_ERRNO; 1113
     00000000G  00             00  FB 00128         CALLS   #0, EDT$$PA_APPDIG              ; 1115
                68             50  E9 0012F         BLBC    R0, 17$                         ;
                               0D  DD 00132         PUSHL   #13                             ; 1117
                               15  DD 00134         PUSHL   #21                             ;
          FEC5  CF             02  FB 00136         CALLS   #2, EDT$$PA_SEMRUT              ;
                               50  D5 0013B         TSTL    R0                              ;
                               79  13 0013D 9$:     BEQL    18$                             ;
                50             6A  D0 0013F         MOVL    EDT$$Z_PA_CURRNG, R0            ; 1119
            08  A0             6B  D0 00142         MOVL    EDT$$A_PA_CURTOK, 8(R0)         ;
            0C  A0 00000000G   00  D0 00146         MOVL    EDT$$G_PA_CURTOKLEN, 12(R0)     ; 1120
     00000000G  00             50  D0 0014E         MOVL    R0, EDT$$Z_PA_BUFRNG            ; 1121
                               70  11 00155         BRB     20$                             ; 1122
     00000000G  00             00  FB 00157 10$:    CALLS   #0, EDT$$PA_APPDIG              ; 1126
                               77  11 0015E 11$:    BRB     23$                             ;
                50 00000000G   00  D0 00160 12$:    MOVL    EDT$$Z_PA_BUFRNG, R0            ; 1130
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                                    C4  A0             6A  D0 00167             MOVL    EDT$$Z_PA_CURRNG, 4(R0)                  ;
                                                     01B1  31 0016B             BRW     53$                                      ; 1131
                                        50             6A  D0 0016E 13$:        MOVL    EDT$$Z_PA_CURRNG, R0                     ; 1136
                                    04  A0 00000000G   00  D0 00171             MOVL    EDT$$G_PA_PRVTOKLEN, 4(R0)               ;
                    08    A0 00000000G  00             01  C1 00179             ADDL3   #1, EDT$$A_PA_PRVTOK, 8(R0)              ; 1137
                                        0F        01   A0  91 00182             CMPB    1(R0), #15                               ; 1139
                                                       7D  12 00186 14$:        BNEQ    34$                                      ;
                                    01  A0             12  90 00188             MOVB    #18, 1(R0)                               ;
                                                       77  11 0018C 15$:        BRB     34$                                      ; 1066
                                        52             6A  D0 0018E 16$:        MOVL    EDT$$Z_PA_CURRNG, SUB_RAN                ; 1149
                                                       13  DD 00191             PUSHL   #19                                      ; 1151
                                                       15  DD 00193             PUSHL   #21                                      ;
                                  FE66  CF             02  FB 00195             CALLS   #2, EDT$$PA_SEMRUT                       ;
                                        51             50  E9 0019A 17$:        BLBC    R0, 29$                                  ;
                                        50             6A  D0 0019D             MOVL    EDT$$Z_PA_CURRNG, R0                     ; 1156
                                    10  A0             52  D0 001A0             MOVL    SUB_RAN, 16(R0)                          ;
                                    14  A2             50  D0 001A4             MOVL    R0, 20(SUB_RAN)                          ; 1157
                                        03 00000000G   00  D1 001A8             CMPL    EDT$$G_PA_TOKCLASS, #3                   ; 1159
                                                       09  13 001AF             BEQL    19$                                      ;
                                        69 00000000G   8F  D0 001B1             MOVL    #EDT$_QUOSTRREQ, EDT$$G_PA_ERRNO         ; 1162
                                                       34  11 001B8 18$:        BRB     29$                                      ; 1163
                                    04  A0 00000000G   00  D0 001BA 19$:        MOVL    EDT$$G_PA_CURTOKLEN, 4(R0)               ; 1166
                    08    A0            6B             01  C1 001C2             ADDL3   #1, EDT$$A_PA_CURTOK, 8(R0)              ; 1167
                                                     05D5  31 001C7 20$:        BRW     141$                                     ; 1168
                                        50             68  D0 001CA 21$:        MOVL    EDT$$G_PA_CURCMD, R0                     ; 1172
                                                     013A  31 001CD             BRW     51$                                      ;
                                        50             68  D0 001D0 22$:        MOVL    EDT$$G_PA_CURCMD, R0                     ; 1175
                                    08  A0             6A  D0 001D3             MOVL    EDT$$Z_PA_CURRNG, 8(R0)                  ;
                                                       36  11 001D7 23$:        BRB     36$                                      ;
                                                       0E  DD 001D9 24$:        PUSHL   #14                                      ; 1179
                                                       06  11 001DB             BRB     27$                                      ;
                                                       0F  DD 001DD 25$:        PUSHL   #15                                      ; 1183
                                                       02  11 001DF             BRB     27$                                      ;
                                                       10  DD 001E1 26$:        PUSHL   #16                                      ; 1187
                             00000000G  00             01  FB 001E3 27$:        CALLS   #1, EDT$$PA_CRERNGNOD                    ;
                                                       50  D5 001EA 28$:        TSTL    R0                                       ;
                                                       21  12 001EC             BNEQ    36$                                      ;
                                                     0622  31 001EE 29$:        BRW     156$                                     ;
                                                  02   A7  B5 001F1 30$:        TSTW    EDT$$L_PA_NUMVAL+2                       ; 1192
                                                       03  12 001F4             BNEQ    31$                                      ;
                                                  04   A7  B5 001F6             TSTW    EDT$$L_PA_NUMVAL+4                       ;
                                                       03  13 001F9 31$:        BEQL    33$                                      ;
                                                     0587  31 001FB 32$:        BRW     137$                                     ;
                                        50             6A  D0 001FE 33$:        MOVL    EDT$$Z_PA_CURRNG, R0                     ; 1199
                                    04  A0             67  3C 00201             MOVZWL  EDT$$L_PA_NUMVAL, 4(R0)                  ;
                                                       08  11 00205 34$:        BRB     36$                                      ; 1066
                                        50             6A  D0 00207 35$:        MOVL    EDT$$Z_PA_CURRNG, R0                     ; 1203
                    04    A0            67             06  28 0020A             MOVC3   #6, EDT$$L_PA_NUMVAL, 4(R0)              ;
                                                     05FD  31 0020F 36$:        BRW     155$                                     ;
                                        52        04   A7  3C 00212 37$:        MOVZWL  HIGH_1, R2                               ; 1217
                                        50 00000000G   00  3C 00216             MOVZWL  HIGH_2, R0                               ;
                                        50             52  D1 0021D             CMPL    R2, R0                                   ;
                                                       11  1F 00220             BLSSU   38$                                      ;
                                                       1A  12 00222             BNEQ    40$                                      ;
                                        51             67  D0 00224             MOVL    LOW_1, R1                                ;
                                        50 00000000G   00  D0 00227             MOVL    LOW_2, R0                                ;
                                        50             51  D1 0022E             CMPL    R1, R0                                   ;
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                                       05  1E 00231      BGEQU   39$                                   ;
                 50                    01  CE 00233 38$: MNEGL   #1, R0                                ;
                                       09  11 00236      BRB     41$                                   ;
                                       04  12 00238 39$: BNEQ    40$                                   ;
                                       50  D4 0023A      CLRL    R0                                    ;
                                       03  11 0023C      BRB     41$                                   ;
                 50                    01  D0 0023E 40$: MOVL    #1, R0                                ;
                                       B8  14 00241 41$: BGTR    32$                                   ;
             08  AE                    67  D0 00243      MOVL    EDT$$L_PA_NUMVAL, M2                  ; 1224
             0C  AE                    52  D0 00247      MOVL    R2, M2+4                              ;
                                       6E  7C 0024B      CLRQ    P                                     ;
                 50                    10  D0 0024D      MOVL    #16, I                                ;
6E               6E                    01  79 00250 42$: ASHQ    #1, P, P                              ;
09 00000000G     00                    50  E1 00254      BBC     I, M1, 43$                            ;
                 6E          08        AE  C0 0025C      ADDL2   M2, P                                 ;
             04  AE          0C        AE  D8 00260      ADWC    M2, P                                 ;
                 E8                    50  F4 00265 43$: SOBGEQ  I, 42$                                ;
                 67                    6E  D0 00268      MOVL    P, EDT$$L_PA_NUMVAL                   ;
             04  A7          04        AE  B0 0026B      MOVW    P+4, EDT$$L_PA_NUMVAL+4               ;
                 50                    6B  D0 00270      MOVL    EDT$$A_PA_CURTOK, R0                  ; 1226
                 2E                    60  91 00273      CMPB    (R0), #46                             ;
                                       97  12 00276      BNEQ    36$                                   ;
                 52                    04  D0 00278      MOVL    #4, MULTIPLIER                        ; 1229
                 50 00000000G          00  D0 0027B 44$: MOVL    EDT$$C_PA_CH, R0                      ; 1234
             F0  8F 00000000G0040      91 00282      CMPB    EDT$$B_CHAR_INFO[R0], #240            ;
                                       03  13 0028B      BEQL    45$                                   ;
                                     050F  31 0028D      BRW     141$                                  ;
             10  AE          D0        A0  9E 00290 45$: MOVAB   -48(R0), DIGIT                        ; 1241
                             14        AE  D4 00295      CLRL    DIGIT+4                               ;
                                       52  D5 00298      TSTL    MULTIPLIER                            ; 1243
                                       46  19 0029A      BLSS    48$                                   ;
50               52                    06  C5 0029C      MULL3   #6, MULTIPLIER, R0                    ; 1246
             08  AE          10        AE  D0 002A0      MOVL    DIGIT, M2                             ;
             0C  AE          14        AE  3C 002A5      MOVZWL  DIGIT+4, M2+4                         ;
                                       6E  7C 002AA      CLRQ    P                                     ;
                 51                    10  D0 002AC      MOVL    #16, I                                ;
6E               6E                    01  79 002AF 46$: ASHQ    #1, P, P                              ;
09 00000000G0040                       51  E1 002B3      BBC     I, EDT$$L_LNOO[R0], 47$               ;
                 6E          08        AE  C0 002BC      ADDL2   M2, P                                 ;
             04  AE          0C        AE  D8 002C0      ADWC    M2, P                                 ;
                 E7                    51  F4 002C5 47$: SOBGEQ  I, 46$                                ;
             10  AE                    6E  D0 002C8      MOVL    P, DIGIT                              ;
             14  AE          04        AE  B0 002CC      MOVW    P+4, DIGIT+4                          ;
                 50          06        A7  B0 002D1      MOVW    UPPER_WORD, SAVE                      ; 1247
                 67          10        AE  C0 002D5      ADDL2   DIGIT, EDT$$L_PA_NUMVAL               ;
             04  A7          14        AE  D8 002D9      ADWC    DIGIT, EDT$$L_PA_NUMVAL+4             ;
             06  A7                    50  B0 002DE      MOVW    SAVE, UPPER_WORD                      ;
      00000000G  00                    00  FB 002E2 48$: CALLS   #0, EDT$$PA_GETCH                     ; 1250
                                       52  D7 002E9      DECL    MULTIPLIER                            ; 1251
                                       8E  11 002EB      BRB     44$                                   ; 1234
                 7E                    02  7D 002ED 49$: MOVQ    #2, -(SP)                             ; 1262
      00000000G  00                    02  FB 002F0      CALLS   #2, EDT$$PA_NEW_NOD                   ;
      00000000G  00                    50  D0 002F7      MOVL    R0, EDT$$Z_PA_THRURNG                 ;
                                       03  12 002FE      BNEQ    50$                                   ;
                                     0510  31 00300      BRW     156$                                  ;
                 50 00000000G          00  D0 00303 50$: MOVL    EDT$$Z_PA_THRURNG, R0                 ; 1264
             04  A0                    6A  D0 0030A 51$: MOVL    EDT$$Z_PA_CURRNG, 4(R0)               ;
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                                                   5D  11 0030E        BRB     61$                                     ; 1066
                                    50 00000000G   00  D0 00310 52$:   MOVL    EDT$$Z_PA_THRURNG, R0                   ; 1269
                                 01 A0             11  90 00317        MOVB    #17, 1(R0)                              ;
                                 08 A0             6A  D0 0031B        MOVL    EDT$$Z_PA_CURRNG, 8(R0)                 ; 1270
                                    6A             50  D0 0031F 53$:   MOVL    R0, EDT$$Z_PA_CURRNG                    ; 1271
                                                   49  11 00322        BRB     61$                                     ; 1066
                          00000000G 00             6A  D0 00324 54$:   MOVL    EDT$$Z_PA_CURRNG, EDT$$Z_PA_ANDLSTHD    ; 1275
                                                   40  11 0032B        BRB     61$                                     ;
                                    52 00000000G   00  D0 0032D 55$:   MOVL    EDT$$Z_PA_ANDLSTHD, R2                  ; 1283
                                    50             52  D0 00334        MOVL    R2, RANGE                               ;
                                              10   A0  D5 00337 56$:   TSTL    16(RANGE)                               ; 1288
                                                   06  13 0033A        BEQL    57$                                     ;
                                    50        10   A0  D0 0033C        MOVL    16(RANGE), RANGE                        ; 1289
                                                   F5  11 00340        BRB     56$                                     ;
                                    51             6A  D0 00342 57$:   MOVL    EDT$$Z_PA_CURRNG, R1                    ; 1291
                                 10 A0             51  D0 00345        MOVL    R1, 16(RANGE)                           ;
                                 14 A1             50  D0 00349        MOVL    RANGE, 20(R1)                           ; 1292
                                    6A             52  D0 0034D        MOVL    R2, EDT$$Z_PA_CURRNG                    ; 1293
                                                   1B  11 00350        BRB     61$                                     ; 1066
                                    01        08   AC  D1 00352 58$:   CMPL    OPERAND, #1                             ; 1299
                                                   07  12 00356        BNEQ    59$                                     ;
                                    50             68  D0 00358        MOVL    EDT$$G_PA_CURCMD, R0                    ;
                                 01 A0             13  90 0035B        MOVB    #19, 1(R0)                              ;
                                    07 00000000G   00  E8 0035F 59$:   BLBS    EDT$$G_PA_NOQUO, 61$                    ; 1305
                          00000000G 00             00  FB 00366 60$:   CALLS   #0, EDT$$INTER_ERR                      ;
                                                 049F  31 0036D 61$:   BRW     155$                                    ; 1066
                                    07 00000000G   00  E8 00370 62$:   BLBS    EDT$$G_PA_NOQUO, 63$                    ; 1326
                          00000000G 00             00  FB 00377        CALLS   #0, EDT$$INTER_ERR                      ;
                                       00000000G   00  D4 0037E 63$:   CLRL    EDT$$G_PA_NOQUO                         ; 1327
                                    7E             03  7D 00384        MOVQ    #3, -(SP)                               ; 1329
                          00000000G 00             02  FB 00387        CALLS   #2, EDT$$PA_NEW_NOD                     ;
                                    52             50  D0 0038E        MOVL    R0, STRNODE                             ;
                                                   59  13 00391        BEQL    67$                                     ;
                                    50             68  D0 00393        MOVL    EDT$$G_PA_CURCMD, R0                    ; 1331
                                 08 A0             52  D0 00396        MOVL    STRNODE, 8(R0)                          ;
                                    02 00000000G   00  D1 0039A        CMPL    EDT$$G_PA_TOKCLASS, #2                  ; 1333
                                                   09  13 003A1        BEQL    64$                                     ;
                                    69 00000000G   8F  D0 003A3        MOVL    #EDT$_NONALPNUM, EDT$$G_PA_ERRNO        ; 1336
                                                   40  11 003AA        BRB     67$                                     ; 1337
                                    51             6B  D0 003AC 64$:   MOVL    EDT$$A_PA_CURTOK, R1                    ; 1340
                                    53             61  9A 003AF        MOVZBL  (R1), QUOTE                             ;
                                    50        01   A1  9E 003B2        MOVAB   1(R1), CURSOR                           ; 1341
                                 04 A2             50  D0 003B6        MOVL    CURSOR, 4(STRNODE)                      ; 1342
        53          60              08             00  ED 003BA 65$:   CMPZV   #0, #8, (CURSOR), QUOTE                 ; 1344
                                                   0D  13 003BF        BEQL    66$                                     ;
                          00000000G 00             50  D1 003C1        CMPL    CURSOR, EDT$$A_CMD_END                  ;
                                                   04  1E 003C8        BGEQU   66$                                     ;
                                                   50  D6 003CA        INCL    CURSOR                                  ; 1345
                                                   EC  11 003CC        BRB     65$                                     ;
                    51              50             51  C3 003CE 66$:   SUBL3   R1, CURSOR, R1                          ; 1347
                                 08 A2        FF   A1  9E 003D2        MOVAB   -1(R1), 8(STRNODE)                      ;
                                                   50  D6 003D7        INCL    CURSOR                                  ; 1348
                                    51 00000000G   00  D0 003D9        MOVL    EDT$$A_CMD_END, R1                      ; 1350
                                    51             50  D1 003E0        CMPL    CURSOR, R1                              ;
                                                   09  1B 003E3        BLEQU   68$                                     ;
                                    69 00000000G   8F  D0 003E5        MOVL    #EDT$_INVSTR, EDT$$G_PA_ERRNO           ; 1353
                                                   41  11 003EC 67$:   BRB     71$                                     ; 1354
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                                0C  A2               50  D0 003EE 68$:    MOVL    CURSOR, 12(STRNODE)                 ; 1357
        53           60             08               00  ED 003F2 69$:    CMPZV   #0, #8, (CURSOR), QUOTE             ; 1359
                                                     09  13 003F7         BEQL    70$                                 ;
                                    51               50  D1 003F9         CMPL    CURSOR, R1                          ;
                                                     04  1E 003FC         BGEQU   70$                                 ;
                                                     50  D6 003FE         INCL    CURSOR                              ; 1360
                                                     F0  11 00400         BRB     69$                                 ;
                10   A2             50         0C    A2  C3 00402 70$:    SUBL3   12(STRNODE), CURSOR, 16(STRNODE)    ; 1362
                        000000000G  00         01    A0  9E 00408         MOVAB   1(R0), EDT$$A_CMD_BUF               ; 1363
                        000000000G  00               00  FB 00410         CALLS   #0, EDT$$PA_GETCH                   ; 1364
                        000000000G  00               00  FB 00417         CALLS   #0, EDT$$PA_SCANTOK                 ; 1365
                                               10    A2  D5 0041E         TSTL    16(STRNODE)                         ; 1367
                                                     23  12 00421         BNEQ    74$                                 ;
                                               08    A2  D5 00423         TSTL    8(STRNODE)                          ;
                                                     1E  12 00426         BNEQ    74$                                 ;
                                    69 000000000G    8F  D0 00428         MOVL    #EDT$_SUBSTRNUL, EDT$$G_PA_ERRNO    ; 1370
                                                   03E1  31 0042F 71$:    BRW     156$                                ; 1371
                                    07 000000000G    00  E8 00432 72$:    BLBS    EDT$$G_PA_NOQUO, 73$                ; 1378
                        000000000G  00               00  FB 00439         CALLS   #0, EDT$$INTER_ERR                  ;
                                       000000000G    00  D4 00440 73$:    CLRL    EDT$$G_PA_NOQUO                     ; 1379
                                                   03C6  31 00446 74$:    BRW     155$                                ; 1066
                                    50               68  D0 00449 75$:    MOVL    EDT$$G_PA_CURCMD, R0                ; 1391
                                    51               6B  D0 0044C         MOVL    EDT$$A_PA_CURTOK, R1                ;
                                08  A0               51  D0 0044F         MOVL    R1, 8(R0)                           ;
                        000000000G  00               51  D0 00453         MOVL    R1, EDT$$A_CMD_BUF                  ; 1392
                                                     53  D4 0045A         CLRL    SCAN_DONE                           ; 1393
                                                     52  D4 0045C 76$:    CLRL    QUOTE_CHAR                          ; 1394
                                    46               53  E8 0045E 77$:    BLBS    SCAN_DONE, 82$                      ; 1396
                        000000000G  00 000000000G    00  D1 00461         CMPL    EDT$$A_CMD_BUF, EDT$$A_CMD_END      ; 1398
                                                     1E  1A 0046C         BGTRU   78$                                 ;
                                    54 000000000G    00  D0 0046E         MOVL    EDT$$A_CMD_BUF, R4                  ; 1403
                                    51               64  9A 00475         MOVZBL  (R4), CHAR                          ;
                                       000000000G    00  D6 00478         INCL    EDT$$A_CMD_BUF                      ;
                                                     52  D5 0047E         TSTL    QUOTE_CHAR                          ; 1405
                                                     1E  12 00480         BNEQ    81$                                 ;
                                    20               51  D1 00482         CMPL    CHAR, #32                           ; 1411
                                                     05  13 00485         BEQL    78$                                 ;
                                    2F               51  D1 00487         CMPL    CHAR, #47                           ;
                                                     05  12 0048A         BNEQ    79$                                 ;
                                    53               01  D0 0048C 78$:    MOVL    #1, SCAN_DONE                       ; 1412
                                                     CD  11 0048F         BRB     77$                                 ;
                                    22               51  D1 00491 79$:    CMPL    CHAR, #34                           ; 1414
                                                     05  13 00494         BEQL    80$                                 ;
                                    27               51  D1 00496         CMPL    CHAR, #39                           ;
                                                     C3  12 00499         BNEQ    77$                                 ;
                                    52               51  D0 0049B 80$:    MOVL    CHAR, QUOTE_CHAR                    ; 1415
                                                     BE  11 0049E         BRB     77$                                 ;
                                    52               51  D1 004A0 81$:    CMPL    CHAR, QUOTE_CHAR                    ; 1425
                                                     B9  12 004A3         BNEQ    77$                                 ;
                                                     B5  11 004A5         BRB     76$                                 ;
                        000000000G  00               51  D0 004A7 82$:    MOVL    CHAR, EDT$$C_PA_CH                  ; 1429
                                                     2C  11 004AE         BRB     86$                                 ; 1430
                                    50               68  D0 004B0 83$:    MOVL    EDT$$G_PA_CURCMD, R0                ; 1436
                                    51               6B  D0 004B3         MOVL    EDT$$A_PA_CURTOK, R1                ;
                                08  A0               51  D0 004B6         MOVL    R1, 8(R0)                           ;
                        000000000G  00               51  D0 004BA         MOVL    R1, EDT$$A_CMD_BUF                  ; 1437
                        000000000G  00               00  FB 004C1 84$:    CALLS   #0, EDT$$PA_GETCH                   ; 1438
```

```
                      50   00000000G    00 D0 004C8       MOVL    EDT$$C_PA_CH, R0                            ; 1440
                      21                50 D1 004CF       CMPL    R0, #33
                                        05 13 004D2       BEQL    85$
                      3B                50 D1 004D4       CMPL    R0, #59
                                        E8 12 004D7       BNEQ    84$
                      50                68 D0 004D9 85$:  MOVL    EDT$$G_PA_CURCMD, R0                        ; 1443
     51     00000000G 00          08    A0 C3 004DC 86$:  SUBL3   8(R0), EDT$$A_CMD_BUF, R1
                   0C A0          FF    A1 9E 004E5       MOVAB   -1(R1), 12(R0)
                                      0282 31 004EA       BRW     141$                                        ; 1444
                           00000000G    00 D5 004ED 87$:  TSTL    EDT$$G_PA_TOKCLASS                          ; 1449
                                        77 12 004F3       BNEQ    96$
                      70   00000000G    00 E8 004F5       BLBS    EDT$$G_PA_PCENT, 96$
                      69   00000000G    8F D0 004FC       MOVL    #EDT$_UNRCOM, EDT$$G_PA_ERRNO               ; 1452
                                      030D 31 00503 88$:  BRW     156$                                        ; 1453
                      50                68 D0 00506 89$:  MOVL    EDT$$G_PA_CURCMD, R0                        ; 1462
                                  14    A0 D5 00509       TSTL    20(R0)
                                        17 12 0050C       BNEQ    90$
                      7E                04 7D 0050E       MOVQ    #4, -(SP)                                   ; 1466
            00000000G 00                02 FB 00511       CALLS   #2, EDT$$PA_NEW_NOD
                                        50 D5 00518       TSTL    SWITCH_NODE
                                        E7 13 0051A       BEQL    88$
                      51                68 D0 0051C       MOVL    EDT$$G_PA_CURCMD, R1                        ; 1468
                   14 A1                50 D0 0051F       MOVL    SWITCH_NODE, 20(R1)
                                        04 11 00523       BRB     91$                                         ; 1462
                      50          14    A0 D0 00525 90$:  MOVL    20(R0), SWITCH_NODE                         ; 1471
     51               01          08    AC 78 00529 91$:  ASHL    OPERAND, #1, R1                             ; 1473
                      51          04    A0 D3 0052E       BITL    4(SWITCH_NODE), R1
                                        CF 12 00532       BNEQ    88$
                   04 A0                51 C8 00534       BISL2   R1, 4(SWITCH_NODE)                          ; 1475
                                        76 11 00538       BRB     100$                                        ; 1066
                      50                68 D0 0053A 92$:  MOVL    EDT$$G_PA_CURCMD, R0                        ; 1482
                      56          14    A0 D0 0053D       MOVL    20(R0), R6
08   A6               67                06 28 00541       MOVC3   #6, EDT$$L_PA_NUMVAL, 8(R6)                 ; 1484
                   01 A6                01 90 00546       MOVB    #1, 1(R6)                                   ; 1485
                                        64 11 0054A       BRB     100$                                        ; 1066
                      50                68 D0 0054C 93$:  MOVL    EDT$$G_PA_CURCMD, R0                        ; 1492
                      50          14    A0 D0 0054F       MOVL    20(R0), R0
14   A0               67                06 28 00553       MOVC3   #6, EDT$$L_PA_NUMVAL, 20(R0)                ; 1494
                                        56 11 00558       BRB     100$                                        ; 1066
                      50                68 D0 0055A 94$:  MOVL    EDT$$G_PA_CURCMP  R0                        ; 1498
                   04 A0          08    AC D0 0055D       MOVL    OPERAND, 4(R0)
                                        4C 11 00562       BRB     100$
                      50                68 D0 00564 95$:  MOVL    EDT$$G_PA_CURCMD, R0                        ; 1501
                   10 A0          08    AC D0 00567       MOVL    OPERAND, 16(R0)
                                      0080 31 0056C 96$:  BRW     107$
                      51                67 3C 0056F 97$:  MOVZWL  EDT$$L_PA_NUMVAL, R1                        ; 1506
                 7FFF 8F                51 B1 00572       CMPW    R1, #32767
                                        56 1A 00577       BGTRU   103$
                                  02    A7 B5 00579       TSTW    EDT$$L_PA_NUMVAL+2                          ; 1507
                                        51 12 0057C       BNEQ    103$
                                  04    A7 B5 0057E       TSTW    EDT$$L_PA_NUMVAL+4                          ; 1508
                                        4C 12 00581       BNEQ    103$
                      50                68 D0 00583       MOVL    EDT$$G_PA_CURCMD, R0                        ; 1515
                   10 A0                51 D0 00586       MOVL    R1, 16(R0)
                                        6D 11 0058A       BRB     109$                                        ; 1066
                      51                67 3C 0058C 98$:  MOVZWL  EDT$$L_PA_NUMVAL, R1                        ; 1521
                 7FFF 8F                51 B1 0058F       CMPW    R1, #32767
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                                   39  1A 00594          BGTRU   103$                                  ;
                         02        A7  B5 00596          TSTW    EDT$$L_PA_NUMVAL+2                    ; 1522
                                   34  12 00599          BNEQ    103$                                  ;
                         04        A7  B5 0059B          TSTW    EDT$$L_PA_NUMVAL+4                    ; 1523
                                   2F  12 0059E          BNEQ    103$                                  ;
                  50               68  D0 005A0          MOVL    EDT$$G_PA_CURCMD, R0                  ; 1530
         0C       A0               51  D0 005A3          MOVL    R1, 12(R0)                            ;
                  50               11  11 005A7          BRB     109$                                  ; 1066
  00000000G       00               01  D0 005A9 99$:     MOVL    #1, EDT$$G_DEFKEY                     ; 1535
                                   47  11 005B0 100$:    BRB     109$                                  ; 1066
                  50               68  D0 005B2 101$:    MOVL    EDT$$G_PA_CURCMD, R0                  ; 1540
                  51               67  3C 005B5          MOVZWL  EDT$$L_PA_NUMVAL, R1                  ;
         10       A0     012C      C1  9E 005B8          MOVAB   300(R1), T6(R0)                       ;
       7FFF       8F               51  B1 005BE 102$:    CMPW    R1, #32767                            ; 1542
                                   0A  1A 005C3          BGTRU   103$                                  ;
                         02        A7  B5 005C5          TSTW    EDT$$L_PA_NUMVAL+2                    ; 1543
                                   05  12 005C8          BNEQ    103$                                  ;
                         04        A7  B5 005CA          TSTW    EDT$$L_PA_NUMVAL+4                    ; 1544
                                   11  13 005CD          BEQL    105$                                  ;
                                 01B3  31 005CF 103$:    BRW     137$                                  ; 1547
                  50               68  D0 005D2 104$:    MOVL    EDT$$G_PA_CURCMD, R0                  ; 1562
                  51               67  3C 005D5          MOVZWL  EDT$$L_PA_NUMVAL, R1                  ;
         10       A0     0320      C1  9E 005D8          MOVAB   800(R1), T6(R0)                       ;
                                   DE  11 005DE          BRB     102$                                  ; 1564
                  15               51  B1 005E0 105$:    CMPW    R1, #21                               ; 1573
                                 0107  31 005E3          BRW     127$                                  ;
                  50               68  D0 005E6 106$:    MOVL    EDT$$G_PA_CURCMD, R0                  ; 1584
         10       A0     0273      8F  3C 005E9          MOVZWL  #627, T6(R0)                          ;
                                   08  11 005EF 107$:    BRB     109$                                  ; 1066
                  50               68  D0 005F1 108$:    MOVL    EDT$$G_PA_CURCMD, R0                  ; 1589
         10       A0       7F      8F  9A 005F4          MOVZBL  #127, T6(R0)                          ;
                                 0213  31 005F9 109$:    BRW     155$                                  ; 1066
                  50               6B  D0 005FC 110$:    MOVL    EDT$$A_PA_CURTOK, R0                  ; 1604
                  51               60  9A 005FF          MOVZBL  (R0), CHAR                            ;
                  50               68  D0 00602          MOVL    EDT$$G_PA_CURCMD, R0                  ; 1605
         10       A0     01F4      C1  9E 00605          MOVAB   500(R1), T6(R0)                       ;
                  01 00000000G     00  D1 0060B          CMPL    EDT$$G_PA_CURTOKLEN, #1               ; 1607
                                   51  12 00612          BNEQ    115$                                  ;
         F0       8F 00000000G0041  91 00614          CMPB    EDT$$B_CHAR_INFO[CHAR], #240          ; 1611
                                   27  13 0061D          BEQL    112$                                  ;
                  20               51  D1 0061F          CMPL    CHAR, #32                             ; 1616
                                   7B  19 00622          BLSS    118$                                  ;
   000000FF       8F               51  D1 00624          CMPL    CHAR, #255                            ; 1617
                                   7B  14 0062B          BGTR    119$                                  ;
   00000080       8F               51  D1 0062D          CMPL    CHAR, #128                            ; 1618
                                   09  19 00634          BLSS    111$                                  ;
   000000A0       8F               51  D1 00636          CMPL    CHAR, #160                            ;
                                   79  19 0063D          BLSS    121$                                  ;
   0000007F       8F               51  D1 0063F 111$:    CMPL    CHAR, #127                            ; 1619
                                   70  13 00646 112$:    BEQL    121$                                  ;
                                 0154  31 00648 113$:    BRW     141$                                  ;
                  50               6B  D0 0064B 114$:    MOVL    EDT$$A_PA_CURTOK, R0                  ; 1635
                  51               60  9A 0064E          MOVZBL  (R0), CHAR                            ;
                  51       C0      A1  9E 00651          MOVAB   -64(R1), CHAR                         ;
                  50               68  D0 00655          MOVL    EDT$$G_PA_CURCMD, R0                  ; 1636
         10       A0     01F4      C1  9E 00658          MOVAB   500(R1), T6(R0)                       ;
                  01 00000000G     00  D1 0065E          CMPL    EDT$$G_PA_CURTOKLEN, #1               ; 1638
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                                 51 12 00665 115$:  BNEQ    121$                                ;
                                 51 D5 00667        TSTL    CHAR                                ; 1639
                                 4D 19 00669        BLSS    121$                                ;
         000000FF 8F             51 D1 0066B        CMPL    CHAR, #255                          ; 1640
                                 7B 14 00672        BGTR    128$                                ;
                  20             51 D1 00674        CMPL    CHAR, #32                           ; 1641
                                 36 19 00677        BLSS    120$                                ;
         00000080 8F             51 D1 00679 116$:  CMPL    CHAR, #128                          ;
                                 6D 19 00680        BLSS    128$                                ;
                                 2B 11 00682        BRB     120$                                ; 1642
                  50             6B D0 00684 117$:  MOVL    EDT$$A_PA_CURTOK, R0                ; 1658
                  51             60 9A 00687        MOVZBL  (R0), CHAR                          ;
                  51             38 C2 0068A        SUBL2   #56, CHAR                           ;
                  50             68 D0 0068D        MOVL    EDT$$G_PA_CURCMD, R0                ; 1659
               10 A0             71 7E 00690        MOVAQ   -(CHAR), 16(R0)                     ;
                  01 00000000G   00 D1 00694        CMPL    EDT$$G_PA_CURTOKLEN, #1             ; 1661
                                 52 12 0069B        BNEQ    128$                                ;
                                 51 D5 0069D        TSTL    CHAR                                ; 1662
                                 4E 19 0069F 118$:  BLSS    128$                                ;
         000000FF 8F             51 D1 006A1        CMPL    CHAR, #255                          ; 1663
                                 45 14 006A8 119$:  BGTR    128$                                ;
                  20             51 D1 006AA        CMPL    CHAR, #32                           ; 1664
                                 CA 18 006AD        BGEQ    116$                                ;
         000000A0 8F             51 D1 006AF 120$:  CMPL    CHAR, #160                          ; 1665
                                 90 19 006B6        BLSS    113$                                ;
                                 35 11 006B8 121$:  BRB     128$                                ; 1668
                  50             68 D0 006BA 122$:  MOVL    EDT$$G_PA_CURCMD, R0                ; 1677
                  51             67 3C 006BD        MOVZWL  EDT$$L_PA_NUMVAL, R1                ;
               10 A0      0190   C1 9E 006C0        MOVAB   400(R1), 16(R0)                     ;
             7FFF 8F             51 B1 006C6 123$:  CMPW    R1, #32767                          ; 1679
                                 0A 1A 006CB        BGTRU   124$                                ;
                            02   A7 B5 006CD        TSTW    EDT$$L_PA_NUMVAL+2                  ; 1680
                                 05 12 006D0        BNEQ    124$                                ;
                            04   A7 B5 006D2        TSTW    EDT$$L_PA_NUMVAL+4                  ; 1681
                                 11 13 006D5        BEQL    126$                                ;
                               00AB 31 006D7 124$:  BRW     137$                                ; 1684
                  50             68 D0 006DA 125$:  MOVL    EDT$$G_PA_CURCMD, R0                ; 1699
                  51             67 3C 006DD        MOVZWL  EDT$$L_PA_NUMVAL, R1                ;
               10 A0      0384   C1 9E 006E0        MOVAB   900(R1), 16(R0)                     ;
                                 DE 11 006E6        BRB     123$                                ; 1701
             0063 8F             51 B1 006E8 126$:  CMPW    R1, #99                             ; 1710
                                 49 1B 006ED 127$:  BLEQU   132$                                ;
                  69 00000000G   8F D0 006EF 128$:  MOVL    #EDT$_KEYNOTDEF, EDT$$G_PA_ERRNO    ; 1713
                                 66 11 006F6        BRB     135$                                ; 1714
                  50             68 D0 006F8 129$:  MOVL    EDT$$G_PA_CURCMD, R0                ; 1721
08   A0 00000000G 00             01 C1 006FB        ADDL3   #1, EDT$$A_PA_PRVTOK, 8(R0)         ;
               0C A0 00000000G   00 D0 00704        MOVL    EDT$$G_PA_PRVTOKLEN, 12(R0)         ; 1722
                                 2A 11 0070C        BRB     132$                                ; 1066
                  50             68 D0 0070E 130$:  MOVL    EDT$$G_PA_CURCMD, R0                ; 1729
                  56        14   A0 D0 00711        MOVL    20(R0), R6                          ;
08   A6 00000000G 00             06 28 00715        MOVC3   #6, EDT$$L_LNO0+30, 8(R6)           ; 1731
14   A6 00000000G 00             06 28 0071E        MOVC3   #6, EDT$$L_LNO0+30, 20(R6)          ; 1732
                            01   A6 94 00727        CLRB    1(R6)                               ; 1733
                               0082 31 0072A        BRW     143$                                ; 1066
                  50             68 D0 0072D 131$:  MOVL    EDT$$G_PA_CURCMD, R0                ; 1738
               04 A0             6A D0 00730        MOVL    EDT$$Z_PA_CURRNG, 4(R0)             ;
               01 A0             18 90 00734        MOVB    #24, 1(R0)                          ; 1739
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                                    0086  31 00738 132$:     BRW     146$                                               ; 1066
                                      52  D4 0073B 133$:     CLRL    NEG                                                ; 1748
                    50                6B  D0 0073D           MOVL    EDT$$A_PA_CURTOK, R0                               ; 1750
                    2D                60  91 00740           CMPB    (R0), #45                                          ;
                                      09  12 00743           BNEQ    134$                                               ;
                                      52  D6 00745           INCL    NEG                                                ; 1753
        00000000G   00                00  FB 00747           CALLS   #0, EDT$$PA_SCANTOK                                ; 1754
                    01 00000000G      00  D1 0074E 134$:     CMPL    EDT$$G_PA_TOKCLASS, #1                             ; 1757
                                      09  13 00755           BEQL    136$                                               ;
                    69 00000000G      8F  D0 00757           MOVL    #EDT$_NUMVALREQ, EDT$$G_PA_ERRNO                   ; 1760
                                      2C  11 0075E 135$:     BRB     138$                                               ; 1761
                    51                67  3C 00760 136$:     MOVZWL  EDT$$L_PA_NUMVAL, R1                               ; 1764
             7FFF   8F                51  B1 00763           CMPW    R1, #32767                                         ;
                                      1B  1A 00768           BGTRU   137$                                               ;
                          02          A7  B5 0076A           TSTW    EDT$$L_PA_NUMVAL+2                                 ; 1765
                                      16  12 0076D           BNEQ    137$                                               ;
                          04          A7  B5 0076F           TSTW    EDT$$L_PA_NUMVAL+4                                 ; 1766
                                      11  12 00772           BNEQ    137$                                               ;
      50            51 00000000G      00  C5 00774           MULL3   EDT$$G_TAB_SIZ, R1, R0                             ; 1773
        000000FF    8F                50  D1 0077C           CMPL    R0, #255                                           ;
                                      0A  15 00783           BLEQ    139$                                               ;
                    69 00000000G      8F  D0 00785 137$:     MOVL    #EDT$_NUMVALILL, EDT$$G_PA_ERRNO                   ; 1776
                                    0084  31 0078C 138$:     BRW     156$                                               ; 1777
                    50                68  D0 0078F 139$:     MOVL    EDT$$G_PA_CURCMD, R0                               ; 1782
                    06                52  E9 00792           BLBC    NEG, 140$                                          ; 1780
              08    A0                51  CE 00795           MNEGL   R1, 8(R0)                                          ; 1782
                                      04  11 00799           BRB     141$                                               ;
              08    A0                51  D0 0079B 140$:     MOVL    R1, 8(R0)                                          ; 1784
        00000000G   00                00  FB 0079F 141$:     CALLS   #0, EDT$$PA_SCANTOK                                ; 1786
                                      67  11 007A6           BRB     155$                                               ; 1066
                    69 00000000G      8F  D0 007A8 142$:     MOVL    #EDT$_INVPARFOR, EDT$$G_PA_ERRNO                   ; 1790
                                      5E  11 007AF 143$:     BRB     155$                                               ;
                    69 00000000G      8F  D0 007B1 144$:     MOVL    #EDT$_INVVALSET, EDT$$G_PA_ERRNO                   ; 1793
                                      55  11 007B8           BRB     155$                                               ;
                    69 00000000G      8F  D0 007BA 145$:     MOVL    #EDT$_NUMVALREQ, EDT$$G_PA_ERRNO                   ; 1796
                                      4C  11 007C1 146$:     BRB     155$                                               ;
                    69 00000000G      8F  D0 007C3 147$:     MOVL    #EDT$_QUOSTRREQ, EDT$$G_PA_ERRNO                   ; 1799
                                      43  11 007CA           BRB     155$                                               ;
                    69 00000000G      8F  D0 007CC 148$:     MOVL    #EDT$_ERRRANSPC, EDT$$G_PA_ERRNO                   ; 1802
                                      3A  11 007D3           BRB     155$                                               ;
                    69 00000000G      8F  D0 007D5 149$:     MOVL    #EDT$_ERRCOMOPT, EDT$$G_PA_ERRNO                   ; 1805
                                      31  11 007DC           BRB     155$                                               ;
                    69 00000000G      8F  D0 007DE 150$:     MOVL    #EDT$_UNRCOMOPT, EDT$$G_PA_ERRNO                   ; 1808
                                      28  11 007E5           BRB     155$                                               ;
                    69 00000000G      8F  D0 007E7 151$:     MOVL    #EDT$_COLONREQ, EDT$$G_PA_ERRNO                    ; 1811
                                      1F  11 007EE           BRB     155$                                               ;
                    69 00000000G      8F  D0 007F0 152$:     MOVL    #EDT$_MACKEYREQ, EDT$$G_PA_ERRNO                   ; 1814
                                      16  11 007F7           BRB     155$                                               ;
                    69 00000000G      8F  D0 007F9 153$:     MOVL    #EDT$_ENTMUSTBE, EDT$$G_PA_ERRNO                   ; 1817
                                      0D  11 00800           BRB     155$                                               ;
                       00000000G      00  D4 00802 154$:     CLRL    EDT$$G_DEFKEY                                      ; 1821
                    69 00000000G      8F  D0 00808           MOVL    #EDT$_ASREQ, EDT$$G_PA_ERRNO                       ; 1822
                    50                01  D0 0080F 155$:     MOVL    #1, R0                                             ; 1832
                                          04 00812           RET                                                        ;
                                      50  D4 00813 156$:     CLRL    R0                                                 ; 1833
                                          04 00815           RET                                                        ;
```

```
; Routine Size:  2070 bytes,    Routine Base:  _EDT$CODE + 0000

;  981          1834  1
;  982          1835  1 !<BLF/PAGE>
;  984            1836  1 END                                                       ! of module EDT$PRSEMRTN
;  985            1837  1
;  986            1838  0 ELUDOM



;                                         PSECT SUMMARY
;
;        Name                          Bytes                          Attributes
;
;  _EDT$CODE                              2070  NOVEC,NOWRT,  RD ,  EXE,  SHR,  LCL,  REL,  CON,  PIC,ALIGN(2)



;                                Library Statistics
;
;                                                   -------- Symbols --------        Pages        Processing
;        File                                        Total    Loaded    Percent       Mapped       Time
;
;  _$255$DUA28:[EDT.SRC]EDT.L32;1                     377        82         21          40         00:00.2
;  _$255$DUA28:[EDT.SRC]PSECTS.L32;1                    2         1         50           7         00:00.1
;  _$255$DUA28:[EDT.SRC]KEYPADDEF.L32;1                34         4         11           7         00:00.1
;  _$255$DUA28:[EDT.SRC]SUPPORTS.L32;1                  2         1         50           5         00:00.1



;                                          COMMAND QUALIFIERS

;        BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS$:PRSEMRTN/OBJ=OBJ$:PRSEMRTN MSRC$:PRSEMRTN.BLI/UPDATE=(ENH$:PRSE
;        MRTN)

; Size:           2070 code + 0 data bytes
; Run Time:          01:33.4
; Elapsed Time:      01:51.7
; Lines/CPU Min:      1180
; Lexemes/CPU-Min:   7943
; Memory Used:  563 pages
; Compilation Complete
```

0138 AH-BT13A-SE
VAX/VMS V4.0

DIGITAL EQUIPMENT CORPORATION
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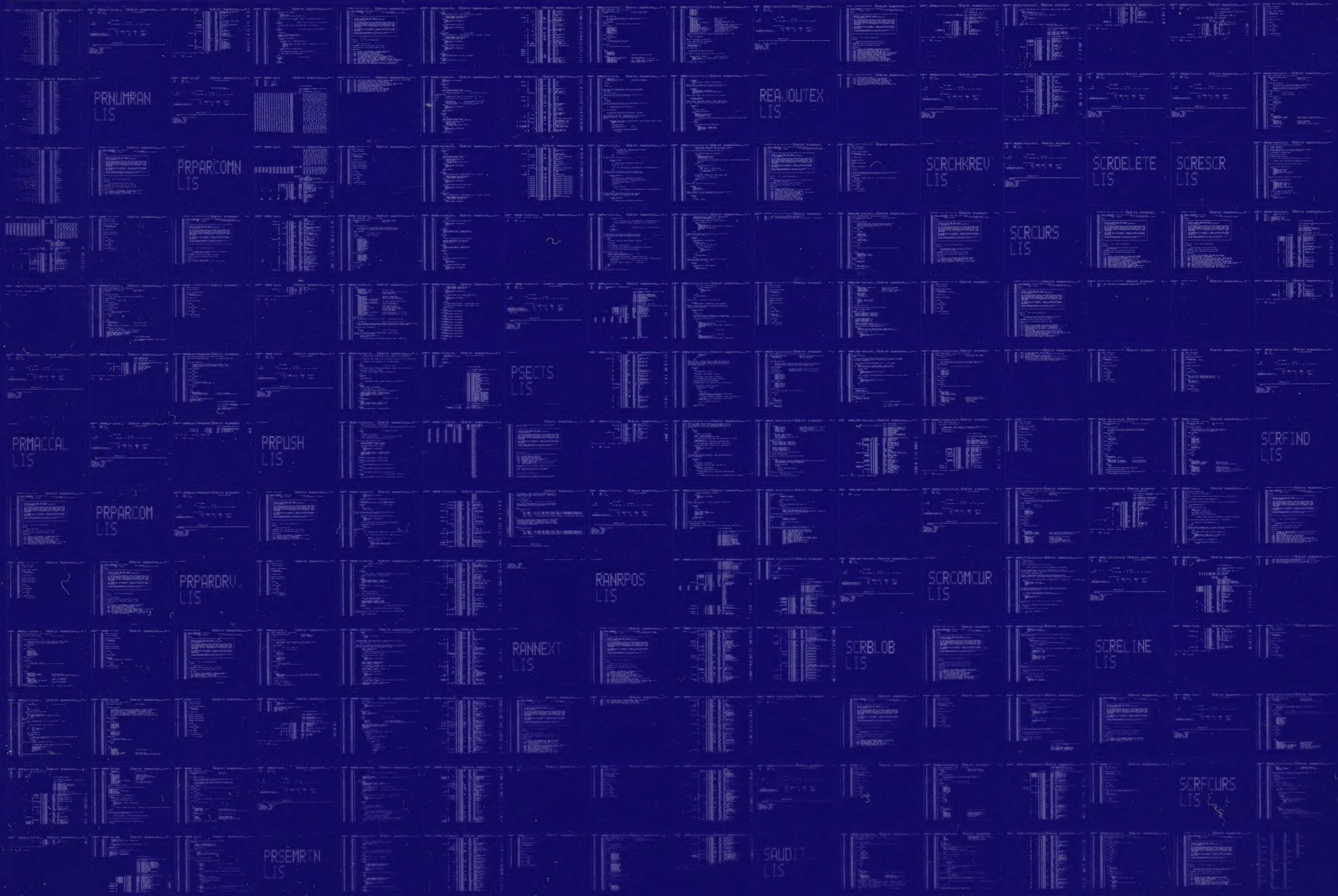

PRNUMRAN
LIS

REAJOUTEX
LIS

PRPARCOMN
LIS

SCRCHKREV
LIS

SCRDELETE
LIS

SCRESCR
LIS

SCRCURS
LIS

PSECTS
LIS

PRMACCAL
LIS

PRPUSH
LIS

SCRFIND
LIS

PRPARCOM
LIS

PRPARDRV
LIS

RANRPOS
LIS

SCRCOMCUR
LIS

RANNEXT
LIS

SCRBLOB
LIS

SCRELINE
LIS

SCRFCURS
LIS

PRSEMRTN
LIS

SAUDIT
LIS